

Start	12834	End	16630
GI	2696229	Score	755
Exons	12834..13130, 16031..16630		
GI Descrip.	(D55712) chitinase [Oryza sativa] gi 4884494 dbj BAA77768.1 (AB027415) class III chitinase homologue (OsChib3H-a)H- [Oryza sativa] gi 4884496 dbj BAA77769.1 (AB027416) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi 4884498 dbj BAA77770.1 (AB027417) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi 4884506 dbj BAA77771.1 (AB027418) class III ch		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47352	Strand	-
Start	12831	End	16630
Name	OJ990715_06.9A01.C3.o8.gs	Method	GENSCAN
Start	15719	End	16624
GI	none	Score	.93
Exons	15719..16624		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47353	Strand	-
Start	17291	End	18199
Name	OJ990715_06.9A01.C3.o9.gs	Method	GENSCAN
Start	17291	End	18199
GI	none	Score	.94
Exons	17291..18199		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47353	Strand	-
Start	17291	End	18199
Name	OJ990715_06.9A01.C3.o4.np	Method	AAT/NAP
Start	17294	End	18192
GI	2696229	Score	719
Exons	17294..18192		
GI Descrip.	(D55712) chitinase [Oryza sativa] gi 4884494 dbj BAA77768.1 (AB027415) class III chitinase homologue (OsChib3H-a)H- [Oryza sativa] gi 4884496 dbj BAA77769.1 (AB027416) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi 4884498 dbj BAA77770.1 (AB027417) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi 4884506 dbj BAA77771.1 (AB027418) class III ch		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47354	Strand	-
Start	19993	End	24054
Name	OJ990715_06.9A01.C3.o5.np	Method	AAT/NAP
Start	19993	End	24054
GI	2346978	Score	151
Exons	19993..20079, 23057..23363, 23919..24054		
GI Descrip.	(AB006601) ZPT2-14 [Petunia x hybrida]		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47354	Strand	-
Start	19993	End	24054
Name	OJ990715_06.9A01.C3.o11.gs	Method	GENSCAN
Start	22584	End	23490
GI	none	Score	.66

Exons 22584..22680, 22982..23490

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47355	Strand	-
Start	25520	End	26456
Name	OJ990715_06.9A01.C3.o12.gs	Method	GENSCAN
Start	25520	End	26456
GI	none	Score	.72
Exons	25520..25721, 26247..26410, 26415..26456		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47356	Strand	-
Start	27501	End	29639
Name	OJ990715_06.9A01.C3.o13.gs	Method	GENSCAN
Start	27501	End	29639
GI	none	Score	.96
Exons	27501..27773, 27996..28383, 28467..28654, 29637..29639		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47357	Strand	-
Start	37842	End	38043
Name	OJ990715_06.9A01.C3.o5.gp	Method	AAT/GAP
Start	37842	End	38043
GI	6025051	Score	323
Exons	37842..38043		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47358	Strand	-
Start	42679	End	44836
Name	OJ990715_06.9A01.C3.o7.gp	Method	AAT/GAP
Start	42679	End	44836
GI	1252_1.R1084	Score	1994
Exons	42679..43056, 43182..43442, 43618..43722, 44323..44453, 44665..44836		
GI Descrip.	'4584358/gb AAD25152.1 AC006420_7 8.0e-74 (AC006420) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47358	Strand	-
Start	42679	End	44836
Name	OJ990715_06.9A01.C3.o18.gs	Method	GENSCAN
Start	42916	End	44701
GI	none	Score	.96
Exons	42916..43056, 43182..43442, 43618..43722, 44323..44453, 44665..44701		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47358	Strand	-
Start	42679	End	44836
Name	OJ990715_06.9A01.C3.o8.np	Method	AAT/NAP
Start	42919	End	44472
GI	4584358	Score	754
Exons	42919..43056, 43182..43442, 43618..43722, 44323..44472		
GI Descrip.	(AC006420) unknown protein [Arabidopsis thaliana]		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-

Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o2.tm	Method	TBLASTX:Maize
Start	4830	End	18148
GI	none	Score	40
Exons	4830..4859, 4869..4943, 5001..5156, 5003..5065, 5145..5267, 5156..5200, 5259..5372, 5385..5594, 10720..10839, 10882..11019, 10884..10991, 11028..11090, 11029..11127, 11149..11376, 11428..11523, 12831..13151, 12883..13053, 13140..13238, 13179..13328, 13267..13314, 13329..13436, 13344..13427, 13512..13706, 15767..15880, 15989..16102, 16035..16103, 16118..16198, 16161..16232, 16238..16369, 16271..16381, 16412..16543, 17291..17434, 17429..17584, 17636..17671, 17678..17797, 17679..17798, 17798..17905, 17819..17896, 17981..18148		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	4836	End	18094
GI	none	Score	35
Exons	4836..4859, 4968..5156, 5160..5249, 5253..5372, 5505..5588, 10726..10839, 10876..11022, 11041..11139, 11146..11328, 11428..11520, 11532..11579, 12840..12983, 13038..13148, 13221..13307, 13329..13436, 13512..13625, 15767..15883, 15866..15913, 15989..16108, 16115..16201, 16238..16402, 16412..16525, 17306..17431, 17492..17620, 17669..17782, 17798..17905, 17981..18094		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o2.tw	Method	TBLASTX:Wheat
Start	4868	End	18172
GI	none	Score	86
Exons	4868..4921, 4869..4943, 4953..5054, 4958..5053, 10612..10830, 10665..10829, 10831..10935, 10848..10934, 13449..13520, 13450..13557, 13521..13724, 13522..13686, 16316..16420, 16317..16403, 16421..16561, 16422..16637, 17918..17989, 17919..17972, 17990..18172, 17991..18089		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o1.tc	Method	TBLASTX:Cress
Start	4998	End	18100
GI	none	Score	143
Exons	4998..5156, 5157..5246, 5388..5588, 10720..10839, 10879..11022, 11038..11139, 11164..11376, 11428..11520, 12846..13148, 13215..13310, 13329..13445, 13512..13631, 15776..15880, 15866..15946, 15986..16117, 16115..16201, 16238..16372, 16412..16531, 17306..17434, 17429..17584, 17636..17797, 17798..17917, 17981..18100		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330

Name	OJ990715_06.9A01.C3.o2.tc	Method	TBLASTX:Cress
Start	19374	End	23359
GI	none	Score	43
Exons	19374..19445, 19478..19552, 23125..23196, 23132..23191, 23254..23358, 23287..23355, 23291..23359		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o4.ts	Method	TBLASTX:Soybean
Start	19374	End	23371
GI	none	Score	65
Exons	19374..19457, 19487..19552, 23113..23205, 23138..23206, 23260..23370, 23291..23371		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o8.tm	Method	TBLASTX:Maize
Start	19374	End	23454
GI	none	Score	81
Exons	19374..19454, 19387..19455, 19490..19552, 23120..23206, 23125..23223, 23278..23454, 23291..23368		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o3.tm	Method	TBLASTX:Maize
Start	33255	End	33546
GI	none	Score	306
Exons	33255..33545, 33262..33546, 33265..33543		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	33373	End	33660
GI	none	Score	201
Exons	33373..33579, 33378..33560, 33428..33568, 33540..33659, 33571..33660, 33571..33660		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o3.ts	Method	TBLASTX:Soybean
Start	33553	End	34068
GI	none	Score	89
Exons	33553..33657, 33703..33849, 33898..34068		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47359	Strand	-
Start	57903	End	58330
Name	OJ990715_06.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	33582	End	33993
GI	none	Score	357
Exons	33582..33977, 33582..33959, 33583..33993		

Seq. No. 22771
 Gene No. 47359
 Start 57903
 Name OJ990715_06.9A01.C3.o7.tm
 Start 34029
 GI none
 Exons 34029..34148, 34030..34278

Seq. ID OJ990715_06.9A01.C3
 Strand -
 End 58330
 Method TBLASTX:Maize
 End 34278
 Score 236

Seq. No. 22771
 Gene No. 47359
 Start 57903
 Name OJ990715_06.9A01.C3.o6.tm
 Start 38072
 GI none
 Exons 38072..38110, 38160..38411, 38279..38407, 38405..38458, 39942..40070, 40083..40106, 40347..40451, 40367..40450

Seq. ID OJ990715_06.9A01.C3
 Strand -
 End 58330
 Method TBLASTX:Maize
 End 40451
 Score 175

Seq. No. 22771
 Gene No. 47359
 Start 57903
 Name OJ990715_06.9A01.C3.o5.tm
 Start 41054
 GI none
 Exons 41054..41248, 41058..41249, 41264..41311, 42245..42412, 42246..42410

Seq. ID OJ990715_06.9A01.C3
 Strand -
 End 58330
 Method TBLASTX:Maize
 End 42412
 Score 285

Seq. No. 22771
 Gene No. 47359
 Start 57903
 Name OJ990715_06.9A01.C3.o4.tm
 Start 42885
 GI none
 Exons 42885..43061, 43174..43443, 43619..43735, 44323..44457, 44330..44458, 44666..44707

Seq. ID OJ990715_06.9A01.C3
 Strand -
 End 58330
 Method TBLASTX:Maize
 End 44707
 Score 60

Seq. No. 22771
 Gene No. 47359
 Start 57903
 Name OJ990715_06.9A01.C3.o2.ts
 Start 42918
 GI none
 Exons 42918..42995, 43025..43057, 43350..43451, 43600..43722, 44324..44458, 44419..44490, 44666..44716

Seq. ID OJ990715_06.9A01.C3
 Strand -
 End 58330
 Method TBLASTX:Soybean
 End 44716
 Score 201

Seq. No. 22771
 Gene No. 47359
 Start 57903
 Name OJ990715_06.9A01.C3.o21.gs
 Start 57903
 GI none
 Exons 57903..58034, 58112..58330

Seq. ID OJ990715_06.9A01.C3
 Strand -
 End 58330
 Method GENSCAN
 End 58330
 Score .42

Seq. No. 22772
 Gene No. 47360

Seq. ID OJ990715_06.9A01.C4
 Strand +

Start 51
 Name OJ990715_06.9A01.C4.o1.gs
 Start 51
 GI none
 Exons 51..59, 245..299, 362..801

End 801
 Method GENSCAN
 End 801
 Score .51

Seq. No. 22772
 Gene No. 47361
 Start 1133
 Name OJ990715_06.9A01.C4.o2.gs
 Start 1133
 GI none
 Exons 1133..1597

Seq. ID OJ990715_06.9A01.C4
 Strand -
 End 1597
 Method GENSCAN
 End 1597
 Score .97

Seq. No. 22773
 Gene No. 47362
 Start 61
 Name OJ990715_06.9A01.C5.o1.gs
 Start 61
 GI none
 Exons 61..95, 202..454, 511..539, 2485..2779, 3007..3739

Seq. ID OJ990715_06.9A01.C5
 Strand +
 End 3761
 Method GENSCAN
 End 3739
 Score .48

Seq. No. 22773
 Gene No. 47362
 Start 61
 Name OJ990715_06.9A01.C5.o1.tm
 Start 234
 GI none
 Exons 234..452, 241..453, 398..457, 2360..2857, 2367..2870, 2368..2853, 2811..2945, 2861..2956, 2862..2945, 2974..3006, 2976..3005, 3001..3150, 3002..3259, 3006..3416, 3008..3760, 3009..3761

Seq. ID OJ990715_06.9A01.C5
 Strand +
 End 3761
 Method TBLASTX:Maize
 End 3761
 Score 367

Seq. No. 22773
 Gene No. 47362
 Start 61
 Name OJ990715_06.9A01.C5.o1.ts
 Start 238
 GI none
 Exons 238..453, 240..452, 2360..2827, 2367..2870, 2368..2853, 2715..2942, 2818..2943, 2861..2956, 2862..2945, 2864..2995, 2882..2947, 2942..2983, 2974..3006, 2976..3002, 3004..3192, 3005..3265, 3006..3410, 3008..3493, 3009..3761, 3466..3636, 3542..3760

Seq. ID OJ990715_06.9A01.C5
 Strand +
 End 3761
 Method TBLASTX:Soybean
 End 3761
 Score 366

Seq. No. 22773
 Gene No. 47362
 Start 61
 Name OJ990715_06.9A01.C5.o1.np
 Start 241
 GI 1076746
 Exons 241..454, 2369..3761

Seq. ID OJ990715_06.9A01.C5
 Strand +
 End 3761
 Method AAT/NAP
 End 3761
 Score 2471

GI Descrip. heat shock protein 70 - rice (fragment) gi|763160|emb|CAA47948| (X67711) heat shock protein 70 [Oryza sativa]

Seq. No. 22773
 Gene No. 47362

Seq. ID OJ990715_06.9A01.C5
 Strand +

Start	61	End	3761
Name	OJ990715_06.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	241	End	3761
GI	none	Score	366
Exons	241..453, 241..327, 246..452, 416..454, 2367..2870, 2368..2853, 2820..2939, 2839..2940, 2848..2940, 2861..2956, 2862..2945, 2882..2947, 2974..3006, 2976..3002, 3004..3183, 3006..3416, 3008..3760, 3009..3761		

Seq. No.	22773	Seq. ID	OJ990715_06.9A01.C5
Gene No.	47362	Strand	+
Start	61	End	3761
Name	OJ990715_06.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	244	End	3761
GI	none	Score	88
Exons	244..324, 245..325, 249..452, 250..453, 398..463, 2367..2831, 2367..2849, 2368..2853, 2527..2856, 2820..2948, 2861..2956, 2862..2945, 2879..2956, 2973..3005, 2974..3006, 2976..3005, 2986..3150, 3002..3262, 3006..3416, 3008..3760, 3009..3761		

Seq. No.	22773	Seq. ID	OJ990715_06.9A01.C5
Gene No.	47362	Strand	+
Start	61	End	3761
Name	OJ990715_06.9A01.C5.o1.gp	Method	AAT/GAP
Start	2739	End	3761
GI	421_1.R1084	Score	1792
Exons	2739..3761		
GI Descrip.	'576771/gb U16256 OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence'		

Seq. No.	22774	Seq. ID	OJ990715_06.9A01.C6
Gene No.	47363	Strand	+
Start	350	End	2180
Name	OJ990715_06.9A01.C6.o1.gs	Method	GENSCAN
Start	350	End	2180
GI	none	Score	.94
Exons	350..413, 2107..2180		

Seq. No.	22774	Seq. ID	OJ990715_06.9A01.C6
Gene No.	47364	Strand	-
Start	194	End	1624
Name	OJ990715_06.9A01.C6.o1.np	Method	AAT/NAP
Start	194	End	1624
GI	6907088	Score	1065
Exons	194..577, 1075..1311, 1487..1624		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22774	Seq. ID	OJ990715_06.9A01.C6
Gene No.	47365	Strand	-
Start	2447	End	2597
Name	OJ990715_06.9A01.C6.o1.gp	Method	AAT/GAP
Start	2447	End	2597
GI	576771	Score	259
Exons	2447..2597		
GI Descrip.	576771/gb U16256 OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No. 22774
 Gene No. 47366
 Start 4185
 Name OJ990715_06.9A01.C6.o2.gs
 Start 4185
 GI none
 Exons 4185..4265, 4987..5776

Seq. ID OJ990715_06.9A01.C6
 Strand -
 End 5833
 Method GENSCAN
 End 5776
 Score .42

Seq. No. 22774
 Gene No. 47366
 Start 4185
 Name OJ990715_06.9A01.C6.o2.np
 Start 4969
 GI 3236247
 Exons 4969..5833

Seq. ID OJ990715_06.9A01.C6
 Strand -
 End 5833
 Method AAT/NAP
 End 5833
 Score 753

GI Descrip. (AC004684) putative SCARECROW gene regulator [Arabidopsis thaliana]

Seq. No. 22774
 Gene No. 47366
 Start 4185
 Name OJ990715_06.9A01.C6.o1.tw
 Start 4978
 GI none
 Exons 4978..5028, 4978..5079, 4982..5035, 5080..5226, 5101..5205, 5120..5227

Seq. ID OJ990715_06.9A01.C6
 Strand -
 End 5833
 Method TBLASTX:Wheat
 End 5227
 Score 42

Seq. No. 22774
 Gene No. 47366
 Start 4185
 Name OJ990715_06.9A01.C6.o1.ts
 Start 4979
 GI none
 Exons 4979..5041, 4987..5454, 5114..5227, 5303..5392, 5353..5457, 5539..5682, 5576..5680

Seq. ID OJ990715_06.9A01.C6
 Strand -
 End 5833
 Method TBLASTX:Soybean
 End 5682
 Score 55

Seq. No. 22774
 Gene No. 47366
 Start 4185
 Name OJ990715_06.9A01.C6.o1.tc
 Start 4987
 GI none
 Exons 4987..5262, 5132..5227, 5266..5454, 5443..5505, 5542..5616

Seq. ID OJ990715_06.9A01.C6
 Strand -
 End 5833
 Method TBLASTX:Cress
 End 5616
 Score 73

Seq. No. 22774
 Gene No. 47366
 Start 4185
 Name OJ990715_06.9A01.C6.o1.tm
 Start 4987
 GI none
 Exons 4987..5442, 4988..5035, 5120..5227, 5434..5511, 5539..5832, 5576..5803

Seq. ID OJ990715_06.9A01.C6
 Strand -
 End 5833
 Method TBLASTX:Maize
 End 5832
 Score 49

Seq. No. 22775
 Gene No. 47367
 Start 1
 Name OJ990715_06.9A01.C7.o2.np

Seq. ID OJ990715_06.9A01.C7
 Strand -
 End 8856
 Method AAT/NAP

Start 1 End 8856
 GI 72390 Score 62
 Exons 1..37, 4133..4335, 5378..5516, 5831..6029, 6142..6247, 8791..8856
 GI Descrip. circumsporozoite protein precursor - Plasmodium cynomolgi (strain Gombak)

Seq. No. 22775 Seq. ID OJ990715_06.9A01.C7
 Gene No. 47367 Strand -
 Start 1 End 8856
 Name OJ990715_06.9A01.C7.o1.gs Method GENSCAN
 Start 24 End 523
 GI none Score 1
 Exons 24..523

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47368 Strand +
 Start 3797 End 11700
 Name OJ990715_06.9A01.C8.o2.gp Method AAT/GAP
 Start 3685 End 3919
 GI 572222 Score 429
 Exons 3685..3919

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47368 Strand +
 Start 3797 End 11700
 Name OJ990715_06.9A01.C8.o2.gs Method GENSCAN
 Start 3797 End 11700
 GI none Score .74
 Exons 3797..4083, 5505..5668, 6113..6276, 6827..6878, 8651..8728, 9659..9767, 9798..9888, 9980..10101, 11025..11031, 11400..11466, 11556..11700

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47368 Strand +
 Start 3797 End 11700
 Name OJ990715_06.9A01.C8.o3.np Method AAT/NAP
 Start 3818 End 6854
 GI 6598838 Score 883
 Exons 3818..4083, 5505..5668, 6113..6276, 6390..6649, 6752..6854
 GI Descrip. (AC010795) unknown protein [Arabidopsis thaliana]

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47368 Strand +
 Start 3797 End 11700
 Name OJ990715_06.9A01.C8.o3.gp Method AAT/GAP
 Start 8166 End 9687
 GI LIB3477-011-P1-K1-C6 Score 673
 Exons 8166..8227, 8423..8575, 8651..8728, 9603..9687
 GI Descrip. '5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47369 Strand -
 Start 1 End 1081
 Name OJ990715_06.9A01.C8.o1.np Method AAT/NAP
 Start 1 End 1081

GI 6907086 Score 1217
 Exons 1..240, 300..1081
 GI Descrip. (AF001129) hypothetical protein [Oryza sativa]

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47369 Strand -
 Start 1 End 1081
 Name OJ990715_06.9A01.C8.o1.gs Method GENSCAN
 Start 294 End 881
 GI none Score 1
 Exons 294..881

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47370 Strand -
 Start 1165 End 1356
 Name OJ990715_06.9A01.C8.o1.gp Method AAT/GAP
 Start 1165 End 1356
 GI 5667165 Score 368
 Exons 1165..1356
 GI Descrip. 5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp.
 japonica BAC clone 34K24, complete sequence

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47371 Strand -
 Start 1791 End 2810
 Name OJ990715_06.9A01.C8.o2.np Method AAT/NAP
 Start 1791 End 2810
 GI 4680186 Score 195
 Exons 1791..2209, 2736..2810
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47372 Strand -
 Start 3902 End 6869
 Name OJ990715_06.9A01.C8.o1.tm Method TBLASTX:Maize
 Start 3902 End 6860
 GI none Score 109
 Exons 3902..4000, 4000..4083, 4001..4084, 5497..5676, 5502..5666,
 5515..5667, 6112..6186, 6148..6291, 6186..6257, 6187..6276,
 6387..6656, 6392..6541, 6590..6655, 6737..6856, 6753..6860

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47372 Strand -
 Start 3902 End 6869
 Name OJ990715_06.9A01.C8.o2.tw Method TBLASTX:Wheat
 Start 3902 End 4087
 GI none Score 119
 Exons 3902..4000, 4000..4083, 4001..4087

Seq. No. 22776 Seq. ID OJ990715_06.9A01.C8
 Gene No. 47372 Strand -
 Start 3902 End 6869
 Name OJ990715_06.9A01.C8.o1.tc Method TBLASTX:Cress
 Start 3908 End 6539
 GI none Score 96
 Exons 3908..4003, 4003..4083, 4004..4084, 5497..5682, 5502..5672,
 6112..6291, 6114..6296, 6139..6312, 6387..6473, 6392..6481,

6464..6526, 6510..6539

Seq. No.	22776	Seq. ID	OJ990715_06.9A01.C8
Gene No.	47372	Strand	
Start	3902	End	6869
Name	OJ990715_06.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	3908	End	6869
GI	none	Score	105
Exons	3908..4003, 3910..4002, 4000..4083, 4001..4084, 5496..5666, 5497..5676, 5500..5667, 5511..5672, 6111..6296, 6112..6288, 6387..6566, 6392..6538, 6602..6652, 6606..6653, 6722..6856, 6756..6869		

Seq. No.	22776	Seq. ID	OJ990715_06.9A01.C8
Gene No.	47372	Strand	
Start	3902	End	6869
Name	OJ990715_06.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	6186	End	6652
GI	none	Score	92
Exons	6186..6278, 6186..6290, 6187..6291, 6387..6587, 6389..6532, 6414..6539, 6590..6652, 6591..6650		

Seq. No.	22776	Seq. ID	OJ990715_06.9A01.C8
Gene No.	47373	Strand	
Start	8459	End	11620
Name	OJ990715_06.9A01.C8.o2.tm	Method	TBLASTX:Maize
Start	8459	End	11620
GI	none	Score	49
Exons	8459..8494, 8535..8576, 8639..8740, 8649..8750, 8682..8741, 9589..9762, 9602..9763, 9603..9767, 9603..9767, 9604..9768, 9971..10102, 11516..11620		

Seq. No.	22777	Seq. ID	OJ990715_06.9A01.C9
Gene No.	47374	Strand	+
Start	303	End	1448
Name	OJ990715_06.9A01.C9.o1.gs	Method	GENSCAN
Start	303	End	1448
GI	none	Score	.58
Exons	303..322, 443..509, 601..748, 1222..1289, 1360..1448		

Seq. No.	22778	Seq. ID	OJ990715_06.9A01.C10
Gene No.	47375	Strand	+
Start	3536	End	6960
Name	OJ990715_06.9A01.C10.o1.np	Method	AAT/NAP
Start	3536	End	6960
GI	1706551	Score	1954
Exons	3536..4594, 6477..6773, 6935..6960		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE PRECURSOR ((1->3)-BETA-GLUCAN ENDOHYDROLASE) ((1->3)-BETA-GLUCANASE) (BETA-1,3-ENDOGLUCANASE) gi 924953 (U30323) beta 1,3-glucanase [Triticum aestivum]		

Seq. No.	22778	Seq. ID	OJ990715_06.9A01.C10
Gene No.	47376	Strand	+
Start	24455	End	27134
Name	OJ990715_06.9A01.C10.o4.np	Method	AAT/NAP
Start	24455	End	27134
GI	126401	Score	260

Exons 24455..24488, 25922..26145, 27094..27134
 GI Descrip. LIPOXYGENASE L-2 gi|100690|pir||S23454 lipoxxygenase (EC 1.13.11.12) L-2 - rice gi|20267|emb|CAA45738| (X64396) lipoxxygenase [Oryza sativa]

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47377 Strand -
 Start 13038 End 16533
 Name OJ990715_06.9A01.C10.o1.gp Method AAT/GAP
 Start 13038 End 16314
 GI none Score 873
 Exons 13038..13080, 13191..13469, 14364..14455, 15852..15932, 16293..16314

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47377 Strand -
 Start 13038 End 16533
 Name OJ990715_06.9A01.C10.o2.gp Method AAT/GAP
 Start 16020 End 16533
 GI none Score 716
 Exons 16020..16387, 16450..16533

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47378 Strand -
 Start 17685 End 18400
 Name OJ990715_06.9A01.C10.o3.gp Method AAT/GAP
 Start 17685 End 18400
 GI 787_3.R1084 Score 978
 Exons 17685..18134, 18276..18400
 GI Descrip. '2497883/sp|Q40633|MT1_ORYSA 3.0e-18 METALLOTHIONEIN-LIKE PROTEIN TYPE 1 >gi_1362174_pir_S57768 metallothionein-like protein - rice >gi_687638 (U18404) metallothionein-like protein [Oryza sativa] >gi_1815626 (U43529) metallothionein-like type 1 [Oryza sativa] >gi_4097154_gb_AAD10376.1 (U46159) type 1 rice metallothionein-like gene; Method: conceptual translation supplied by author. ['

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47378 Strand -
 Start 17685 End 18400
 Name OJ990715_06.9A01.C10.o2.np Method AAT/NAP
 Start 17966 End 18328
 GI 2497883 Score 385
 Exons 17966..18134, 18276..18328
 GI Descrip. METALLOTHIONEIN-LIKE PROTEIN TYPE 1 gi|1362174|pir||S57768 metallothionein-like protein - rice gi|687638 (U18404) metallothionein-like protein [Oryza sativa] gi|1815626 (U43529) metallothionein-like type 1 [Oryza sativa] gi|4097154|gb|AAD10376.1| (U46159) type 1 rice metallothionein-like gene; Method: conceptual translation supplied by author. [Oryza sativa]

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47379 Strand -
 Start 20366 End 25429
 Name OJ990715_06.9A01.C10.o3.np Method AAT/NAP
 Start 20366 End 24623

GI 129021 Score 527
 Exons 20366..20394, 22258..22990, 23387..23416, 23512..23574, 24110..24222, 24545..24623
 GI Descrip. SPO0B-ASSOCIATED GTP-BINDING PROTEIN gi|98326|pir||B32804 GTP-binding protein, spo0B 3'-region - Bacillus subtilis gi|508979 (M24537) GTP-binding protein [Bacillus subtilis] gi|2635257|emb|CAB14752| (Z99118) GTPase activity [Bacillus subtilis]

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47379 Strand -
 Start 20366 End 25429
 Name OJ990715_06.9A01.C10.o4.gp Method AAT/GAP
 Start 21912 End 22215
 GI 5004146 Score 576
 Exons 21912..22215

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47379 Strand -
 Start 20366 End 25429
 Name OJ990715_06.9A01.C10.o3.gs Method GENSCAN
 Start 22211 End 25429
 GI none Score .86
 Exons 22211..23416, 23523..23574, 24153..24267, 24521..24546, 25167..25429

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47380 Strand -
 Start 25941 End 26923
 Name OJ990715_06.9A01.C10.o5.tm Method TBLASTX:Maize
 Start 3598 End 3918
 GI none Score 204
 Exons 3598..3765, 3599..3775, 3754..3807, 3755..3790, 3795..3890, 3799..3918

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47380 Strand -
 Start 25941 End 26923
 Name OJ990715_06.9A01.C10.o1.tc Method TBLASTX:Cress
 Start 3611 End 6772
 GI none Score 55
 Exons 3611..3676, 3701..3790, 3826..4014, 4051..4194, 4171..4425, 4428..4562, 4432..4584, 6545..6607, 6620..6772

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47380 Strand -
 Start 25941 End 26923
 Name OJ990715_06.9A01.C10.o1.ts Method TBLASTX:Soybean
 Start 3611 End 4593
 GI none Score 180
 Exons 3611..3790, 3613..3786, 3811..4041, 4051..4353, 4071..4340, 4374..4577, 4375..4593

Seq. No. 22778 Seq. ID OJ990715_06.9A01.C10
 Gene No. 47380 Strand -
 Start 25941 End 26923
 Name OJ990715_06.9A01.C10.o4.tw Method TBLASTX:Wheat

Start	22226	End	22413
GI	none	Score	204
Exons	22226..22411, 22226..22411, 22237..22413		

Seq. No.	22778	Seq. ID	OJ990715_06.9A01.C10
Gene No.	47380	Strand	-
Start	25941	End	26923
Name	OJ990715_06.9A01.C10.o2.ts	Method	TBLASTX:Soybean
Start	22388	End	22765
GI	none	Score	180
Exons	22388..22645, 22398..22640, 22643..22765, 22644..22763		

Seq. No.	22778	Seq. ID	OJ990715_06.9A01.C10
Gene No.	47380	Strand	-
Start	25941	End	26923
Name	OJ990715_06.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	22598	End	22979
GI	none	Score	463
Exons	22598..22978, 22599..22979		

Seq. No.	22778	Seq. ID	OJ990715_06.9A01.C10
Gene No.	47380	Strand	-
Start	25941	End	26923
Name	OJ990715_06.9A01.C10.o4.gs	Method	GENSCAN
Start	25941	End	26923
GI	none	Score	.62
Exons	25941..26121, 26755..26923		

Seq. No.	22778	Seq. ID	OJ990715_06.9A01.C10
Gene No.	47380	Strand	-
Start	25941	End	26923
Name	OJ990715_06.9A01.C10.o5.gp	Method	AAT/GAP
Start	26382	End	26478
GI	5867_1.R1084	Score	134
Exons	26382..26478		

GI Descrip. '464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714 (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis']

Seq. No.	22779	Seq. ID	OJ990715_06.9A01.C11
Gene No.	47381	Strand	+
Start	46	End	6674
Name	OJ990715_06.9A01.C11.o1.gs	Method	GENSCAN
Start	46	End	6674
GI	none	Score	.65
Exons	46..171, 1878..2006, 2206..2271, 2998..4115, 4363..6526, 6658..6674		

Seq. No.	22779	Seq. ID	OJ990715_06.9A01.C11
Gene No.	47381	Strand	+
Start	46	End	6674
Name	OJ990715_06.9A01.C11.o1.gp	Method	AAT/GAP
Start	1482	End	2324

GI LIB3477-003-P1-K1-E9 Score 134
 Exons 1482..1548, 2287..2324
 GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
 S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
 sativa]'

Seq. No. 22779 Seq. ID OJ990715_06.9A01.C11
 Gene No. 47381 Strand +
 Start 46 End 6674
 Name OJ990715_06.9A01.C11.o1.np Method AAT/NAP
 Start 3657 End 5409
 GI 2792238 Score 485
 Exons 3657..4086, 4379..5409
 GI Descrip. (AF032697) NBS-LRR type resistance protein [Oryza sativa]

Seq. No. 22779 Seq. ID OJ990715_06.9A01.C11
 Gene No. 47382 Strand -
 Start 7481 End 8133
 Name OJ990715_06.9A01.C11.o1.tm Method TBLASTX:Maize
 Start 3678 End 4785
 GI none Score 60
 Exons 3678..3791, 3846..4013, 3869..3997, 4026..4082, 4405..4551,
 4449..4550, 4555..4701, 4570..4692, 4717..4785

Seq. No. 22779 Seq. ID OJ990715_06.9A01.C11
 Gene No. 47382 Strand -
 Start 7481 End 8133
 Name OJ990715_06.9A01.C11.o2.tm Method TBLASTX:Maize
 Start 7469 End 8133
 GI none Score 95
 Exons 7469..7573, 7478..7561, 7853..7915, 7860..7913, 8017..8127,
 8029..8133, 8039..8128

Seq. No. 22779 Seq. ID OJ990715_06.9A01.C11
 Gene No. 47382 Strand -
 Start 7481 End 8133
 Name OJ990715_06.9A01.C11.o2.gs Method GENSCAN
 Start 7481 End 8128
 GI none Score .75
 Exons 7481..7561, 7853..7912, 8032..8128

Seq. No. 22779 Seq. ID OJ990715_06.9A01.C11
 Gene No. 47382 Strand -
 Start 7481 End 8133
 Name OJ990715_06.9A01.C11.o3.np Method AAT/NAP
 Start 7484 End 8128
 GI 4337201 Score 186
 Exons 7484..7561, 7853..7912, 8032..8128
 GI Descrip. (AC006403) hypothetical protein [Arabidopsis thaliana]

Seq. No. 22779 Seq. ID OJ990715_06.9A01.C11
 Gene No. 47382 Strand -
 Start 7481 End 8133
 Name OJ990715_06.9A01.C11.o4.np Method AAT/NAP
 Start 7484 End 8127
 GI 2827531 Score 124
 Exons 7484..7561, 8032..8127

GI Descrip. (AL021633) hypothetical protein [Arabidopsis thaliana]

Seq. No.	22780	Seq. ID	OJ990715_06.9A01.C12
Gene No.	47383	Strand	-
Start	635	End	788
Name	OJ990715_06.9A01.C12.o1.gp	Method	AAT/GAP
Start	635	End	788
GI	421_1.R1084	Score	264
Exons	635..788		

GI Descrip. '576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1
sucrose-regulated mRNA, 3''-end sequence'

Seq. No.	22781	Seq. ID	OJ990715_06.9A01.C13
Gene No.	47384	Strand	+
Start	237	End	752
Name	OJ990715_06.9A01.C13.o1.gs	Method	GENSCAN
Start	237	End	667
GI	none	Score	.66
Exons	237..394, 570..667		

Seq. No.	22781	Seq. ID	OJ990715_06.9A01.C13
Gene No.	47384	Strand	+
Start	237	End	752
Name	OJ990715_06.9A01.C13.o1.np	Method	AAT/NAP
Start	257	End	752
GI	6907088	Score	479
Exons	257..394, 570..752		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	22782	Seq. ID	OJ990715_06.9A01.C16
Gene No.	47385	Strand	+
Start	1	End	175
Name	OJ990715_06.9A01.C16.o1.np	Method	AAT/NAP
Start	1	End	175
GI	123620	Score	260
Exons	1..175		

GI Descrip. HEAT SHOCK COGNATE 70 KD PROTEIN 2 gi|100224|pir||S14950 heat
shock cognate protein 70 - tomato gi|19258|emb|CAA37971|
(X54030) heat shock protein cognate 70 [Lycopersicon esculentum]

Seq. No.	22782	Seq. ID	OJ990715_06.9A01.C16
Gene No.	47385	Strand	+
Start	1	End	175
Name	OJ990715_06.9A01.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	175
GI	none	Score	203
Exons	2..136, 3..125, 3..137, 4..135, 5..136, 137..175, 137..175		

Seq. No.	22782	Seq. ID	OJ990715_06.9A01.C16
Gene No.	47385	Strand	+
Start	1	End	175
Name	OJ990715_06.9A01.C16.o1.ts	Method	TBLASTX:Soybean
Start	2	End	175
GI	none	Score	89
Exons	2..88, 2..136, 3..125, 119..169, 132..170, 133..171, 137..175, 139..174		

Seq. No.	22782	Seq. ID	OJ990715_06.9A01.C16
Gene No.	47385	Strand	+
Start	1	End	175
Name	OJ990715_06.9A01.C16.o1.tw	Method	TBLASTX:Wheat
Start	2	End	175
GI	none	Score	206
Exons	2..136, 3..125, 3..137, 5..136, 136..171, 137..175, 138..170		
Seq. No.	22782	Seq. ID	OJ990715_06.9A01.C16
Gene No.	47385	Strand	+
Start	1	End	175
Name	OJ990715_06.9A01.C16.o1.tc	Method	TBLASTX:Cress
Start	3	End	175
GI	none	Score	206
Exons	3..125, 5..136, 8..130, 132..167, 133..171, 137..175		
Seq. No.	22782	Seq. ID	OJ990715_06.9A01.C16
Gene No.	47385	Strand	+
Start	1	End	175
Name	OJ990715_06.9A01.C16.o1.gp	Method	AAT/GAP
Start	8	End	175
GI	5456473	Score	325
Exons	8..175		
GI Descrip.	1076746/pir S53126 1.0e-65, heat shock protein 70 - rice (fragment) >gi_763160_emb_CAA47948_ (X67711) heat shock protein 70 [Oryza sativa]		
Seq. No.	22783	Seq. ID	OJ990625_08.9A01.C2
Gene No.	47386	Strand	-
Start	193	End	406
Name	OJ990625_08.9A01.C2.o1.gs	Method	GENSCAN
Start	193	End	406
GI	none	Score	.93
Exons	193..406		
Seq. No.	22784	Seq. ID	OJ990625_08.9A01.C3
Gene No.	47387	Strand	-
Start	1	End	400
Name	OJ990625_08.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	400
GI	5103193	Score	647
Exons	1..400		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi 5738084 gb AAD50242.1 AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		
Seq. No.	22784	Seq. ID	OJ990625_08.9A01.C3
Gene No.	47387	Strand	-
Start	1	End	400
Name	OJ990625_08.9A01.C3.o1.gs	Method	GENSCAN
Start	97	End	219
GI	none	Score	.81
Exons	97..219		
Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47388	Strand	+
Start	2252	End	13151

Name	OJ990625_08.9A01.C4.o1.gs	Method	GENSCAN
Start	2252	End	13151
GI	none	Score	.49
Exons	2252..2722, 3206..3330, 3715..4497, 11041..11188, 11727..11980, 12100..12185, 12793..13151		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47388	Strand	+
Start	2252	End	13151
Name	OJ990625_08.9A01.C4.o1.np	Method	AAT/NAP
Start	2350	End	4519
GI	4102839	Score	672
Exons	2350..2722, 3206..3330, 3715..4519		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47388	Strand	+
Start	2252	End	13151
Name	OJ990625_08.9A01.C4.o1.gp	Method	AAT/GAP
Start	3690	End	4172
GI	22391_1.R1084	Score	888
Exons	3690..4172		
GI Descrip.	'4102839 2.0e-16 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47388	Strand	+
Start	2252	End	13151
Name	OJ990625_08.9A01.C4.o2.gp	Method	AAT/GAP
Start	4397	End	4756
GI	5056117	Score	634
Exons	4397..4756		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47389	Strand	+
Start	23390	End	24373
Name	OJ990625_08.9A01.C4.o3.np	Method	AAT/NAP
Start	23390	End	24373
GI	5922636	Score	350
Exons	23390..23674, 23966..24095, 24347..24373		
GI Descrip.	(AP000492) ESTs C99517(E20319), AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016869 dbj BAA85212.1 (AP000570) ESTs C99517(E20319), AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47390	Strand	-
Start	13889	End	16961
Name	OJ990625_08.9A01.C4.o2.gs	Method	GENSCAN
Start	13889	End	16961
GI	none	Score	.5
Exons	13889..13938, 14481..14691, 15732..15793, 16769..16961		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47391	Strand	-
Start	17618	End	22775
Name	OJ990625_08.9A01.C4.o1.tc	Method	TBLASTX:Cress

Start	2365	End	4620
GI	none	Score	127
Exons	2365..2595, 2366..2596, 2675..2731, 3760..3822, 3770..4513, 3862..4122, 4588..4620		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47391	Strand	-
Start	17618	End	22775
Name	OJ990625_08.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	2417	End	4510
GI	none	Score	99
Exons	2417..2593, 3715..3831, 3719..4396, 3868..4065, 4168..4254, 4406..4510		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47391	Strand	-
Start	17618	End	22775
Name	OJ990625_08.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	2513	End	4501
GI	none	Score	48
Exons	2513..2572, 2672..2731, 3713..3751, 3734..4396, 4166..4294, 4406..4501		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47391	Strand	-
Start	17618	End	22775
Name	OJ990625_08.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	4193	End	4510
GI	none	Score	132
Exons	4193..4393, 4193..4348, 4373..4510		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47391	Strand	-
Start	17618	End	22775
Name	OJ990625_08.9A01.C4.o3.gs	Method	GENSCAN
Start	17618	End	20908
GI	none	Score	.68
Exons	17618..17986, 18108..18285, 18356..18714, 18869..18937, 19802..20044, 20049..20245, 20251..20490, 20515..20908		

Seq. No.	22785	Seq. ID	OJ990625_08.9A01.C4
Gene No.	47391	Strand	-
Start	17618	End	22775
Name	OJ990625_08.9A01.C4.o2.np	Method	AAT/NAP
Start	17925	End	22775
GI	5091513	Score	1828
Exons	17925..18910, 19684..20888, 22705..22775		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22786	Seq. ID	OJ990625_08.9A01.C5
Gene No.	47392	Strand	+
Start	1	End	386
Name	OJ990625_08.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	386
GI	136125	Score	159
Exons	1..229, 331..386		
GI Descrip.	PUTATIVE AC TRANSPOSASE (ORFA) gi 22113 emb CAA29005 (X05424)		

ORFa [Zea mays]

Seq. No.	22786	Seq. ID	OJ990625_08.9A01.C5
Gene No.	47392	Strand	+
Start	1	End	386
Name	OJ990625_08.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	90	End	248
GI	none	Score	175
Exons	90..212, 91..216, 99..248, 127..213		
Seq. No.	22787	Seq. ID	OJ990625_08.9A01.C8
Gene No.	47393	Strand	-
Start	957	End	1140
Name	OJ990625_08.9A01.C8.o1.gs	Method	GENSCAN
Start	957	End	1140
GI	none	Score	.88
Exons	957..1140		
Seq. No.	22788	Seq. ID	OJ990625_08.9A01.C9
Gene No.	47394	Strand	+
Start	77	End	208
Name	OJ990625_08.9A01.C9.o1.gs	Method	GENSCAN
Start	77	End	208
GI	none	Score	.74
Exons	77..208		
Seq. No.	22788	Seq. ID	OJ990625_08.9A01.C9
Gene No.	47395	Strand	+
Start	478	End	733
Name	OJ990625_08.9A01.C9.o2.gs	Method	GENSCAN
Start	478	End	733
GI	none	Score	.53
Exons	478..733		
Seq. No.	22789	Seq. ID	OJ990625_08.9A01.C10
Gene No.	47396	Strand	+
Start	5710	End	9622
Name	OJ990625_08.9A01.C10.o2.gs	Method	GENSCAN
Start	5710	End	9578
GI	none	Score	.46
Exons	5710..5898, 6209..6248, 7433..7532, 7621..7668, 7846..9578		
Seq. No.	22789	Seq. ID	OJ990625_08.9A01.C10
Gene No.	47396	Strand	+
Start	5710	End	9622
Name	OJ990625_08.9A01.C10.o1.np	Method	AAT/NAP
Start	7862	End	9622
GI	6539553	Score	3086
Exons	7862..9622		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	22789	Seq. ID	OJ990625_08.9A01.C10
Gene No.	47397	Strand	-
Start	55	End	207

Name OJ990625_08.9A01.C10.o1.gs
Start 55
GI none
Exons 55..207

Method GENSCAN
End 207
Score .95

Seq. No. 22789
Gene No. 47398
Start 7856
Name OJ990625_08.9A01.C10.o1.tw
Start 7856
GI none
Exons 7856..8242, 7867..8241

Seq. ID OJ990625_08.9A01.C10
Strand
End 8304
Method TBLASTX:Wheat
End 8242
Score 354

Seq. No. 22789
Gene No. 47398
Start 7856
Name OJ990625_08.9A01.C10.o2.tm
Start 7991
GI none
Exons 7991..8302, 7999..8304

Seq. ID OJ990625_08.9A01.C10
Strand
End 8304
Method TBLASTX:Maize
End 8304
Score 366

Seq. No. 22789
Gene No. 47399
Start 8803
Name OJ990625_08.9A01.C10.o1.tm
Start 8803
GI none
Exons 8803..9057, 8810..9124, 8830..9123, 8958..9125

Seq. ID OJ990625_08.9A01.C10
Strand
End 9125
Method TBLASTX:Maize
End 9125
Score 268

Seq. No. 22789
Gene No. 47400
Start 9152
Name OJ990625_08.9A01.C10.o1.ts
Start 9152
GI none
Exons 9152..9307, 9290..9538

Seq. ID OJ990625_08.9A01.C10
Strand
End 9622
Method TBLASTX:Soybean
End 9538
Score 88

Seq. No. 22789
Gene No. 47400
Start 9152
Name OJ990625_08.9A01.C10.o3.tm
Start 9326
GI none
Exons 9326..9622

Seq. ID OJ990625_08.9A01.C10
Strand
End 9622
Method TBLASTX:Maize
End 9622
Score 187

Seq. No. 22789
Gene No. 47400
Start 9152
Name OJ990625_08.9A01.C10.o2.tw
Start 9404
GI none
Exons 9404..9622, 9404..9619, 9532..9621

Seq. ID OJ990625_08.9A01.C10
Strand
End 9622
Method TBLASTX:Wheat
End 9622
Score 327

Seq. No. 22790
Gene No. 47401
Start 1
Name OJ990625_08.9A01.C11.o1.np

Seq. ID OJ990625_08.9A01.C11
Strand +
End 2191
Method AAT/NAP

Start	1	End	2191
GI	6539553	Score	3767
Exons	1..2191		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o3.ts	Method	TBLASTX:Soybean
Start	1	End	370
GI	none	Score	173
Exons	1..150, 2..196, 197..370, 205..243		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	1	End	370
GI	none	Score	159
Exons	1..150, 5..184, 5..160, 203..370		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o2.tc	Method	TBLASTX:Cress
Start	5	End	394
GI	none	Score	112
Exons	5..187, 200..394		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	20	End	775
GI	none	Score	634
Exons	20..484, 28..507, 528..758, 536..775, 558..755, 616..774		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	695	End	1159
GI	5509260	Score	382
Exons	695..1159, 796..864, 913..1008, 1081..1140		
GI Descrip.	-		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	788	End	1048
GI	none	Score	286
Exons	788..1048, 790..867		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	829	End	1276
GI	none	Score	359
Exons	829..1011, 830..1276, 965..1147, 1081..1191		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o3.tw	Method	TBLASTX:Wheat
Start	830	End	1375
GI	none	Score	318
Exons	830..1174, 977..1150, 1169..1375, 1243..1365		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	1228	End	1573
GI	none	Score	313
Exons	1228..1428, 1229..1573		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	1384	End	1723
GI	none	Score	318
Exons	1384..1722, 1385..1723		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	1579	End	2055
GI	none	Score	101
Exons	1579..1650, 1580..1654, 1668..1976, 1669..2055, 1670..2017		

Seq. No.	22790	Seq. ID	OJ990625_08.9A01.C11
Gene No.	47401	Strand	+
Start	1	End	2191
Name	OJ990625_08.9A01.C11.o4.ts	Method	TBLASTX:Soybean
Start	1586	End	1927
GI	none	Score	91
Exons	1586..1699, 1612..1692, 1718..1927, 1723..1848		

Seq. No.	22791	Seq. ID	OJ990625_08.9A01.C12
Gene No.	47402	Strand	+
Start	1353	End	1735
Name	OJ990625_08.9A01.C12.o1.gp	Method	AAT/GAP
Start	1353	End	1735
GI	4879160	Score	377
Exons	1353..1595, 1709..1735		
GI Descrip.	2213586 2.0e-09 (AC000348) T7N9.6 [Arabidopsis thaliana]		

Seq. No.	22791	Seq. ID	OJ990625_08.9A01.C12
Gene No.	47403	Strand	-
Start	212	End	1582
Name	OJ990625_08.9A01.C12.o1.gs	Method	GENSCAN
Start	212	End	1542
GI	none	Score	.43
Exons	212..319, 1363..1542		

Seq. No.	22791	Seq. ID	OJ990625_08.9A01.C12
Gene No.	47403	Strand	-
Start	212	End	1582
Name	OJ990625_08.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	1363	End	1582
GI	none	Score	265
Exons	1363..1581, 1367..1582		

Seq. No.	22792	Seq. ID	OJ990625_08.9A01.C17
Gene No.	47404	Strand	-
Start	1	End	6076
Name	OJ990625_08.9A01.C17.o1.np	Method	AAT/NAP
Start	1	End	2057
GI	6498436	Score	385
Exons	1..129, 776..955, 1200..1319, 1419..1930, 1979..2057		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	22792	Seq. ID	OJ990625_08.9A01.C17
Gene No.	47404	Strand	-
Start	1	End	6076
Name	OJ990625_08.9A01.C17.o2.gs	Method	GENSCAN
Start	930	End	6076
GI	none	Score	.5
Exons	930..1495, 1979..2072, 2580..2770, 2902..3011, 4053..4266, 4551..4701, 5990..6076		

Seq. No.	22792	Seq. ID	OJ990625_08.9A01.C17
Gene No.	47404	Strand	-
Start	1	End	6076
Name	OJ990625_08.9A01.C17.o1.tm	Method	TBLASTX:Maize
Start	2235	End	2487
GI	none	Score	106
Exons	2235..2459, 2253..2486, 2353..2487		

Seq. No.	22792	Seq. ID	OJ990625_08.9A01.C17
Gene No.	47404	Strand	-
Start	1	End	6076
Name	OJ990625_08.9A01.C17.o2.np	Method	AAT/NAP
Start	2248	End	2747
GI	6705984	Score	433
Exons	2248..2747		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	22792	Seq. ID	OJ990625_08.9A01.C17
Gene No.	47404	Strand	-
Start	1	End	6076
Name	OJ990625_08.9A01.C17.o1.ts	Method	TBLASTX:Soybean
Start	2256	End	2675
GI	none	Score	54

Exons 2256..2414, 2266..2397, 2406..2675, 2410..2634

Seq. No.	22792	Seq. ID	OJ990625_08.9A01.C17
Gene No.	47404	Strand	-
Start	1	End	6076
Name	OJ990625_08.9A01.C17.o1.tw	Method	TBLASTX:Wheat
Start	2263	End	2714
GI	none	Score	96
Exons	2263..2427, 2268..2447, 2286..2438, 2366..2452, 2451..2714, 2452..2679		

Seq. No.	22793	Seq. ID	OJ990625_08.9A01.C18
Gene No.	47405	Strand	-
Start	2659	End	4460
Name	OJ990625_08.9A01.C18.o1.gs	Method	GENSCAN
Start	2659	End	4460
GI	none	Score	.7
Exons	2659..2901, 3168..3275, 4392..4460		

Seq. No.	22794	Seq. ID	OJ990625_08.9A01.C19
Gene No.	47406	Strand	+
Start	420	End	575
Name	OJ990625_08.9A01.C19.o1.gs	Method	GENSCAN
Start	420	End	575
GI	none	Score	.44
Exons	420..575		

Seq. No.	22794	Seq. ID	OJ990625_08.9A01.C19
Gene No.	47407	Strand	-
Start	3410	End	3508
Name	OJ990625_08.9A01.C19.o1.gp	Method	AAT/GAP
Start	3410	End	3508
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	3410..3508		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22795	Seq. ID	OJ990625_08.9A01.C20
Gene No.	47408	Strand	-
Start	709	End	2178
Name	OJ990625_08.9A01.C20.o1.gs	Method	GENSCAN
Start	709	End	2178
GI	none	Score	.47
Exons	709..831, 2155..2178		

Seq. No.	22796	Seq. ID	OJ990625_08.9A01.C21
Gene No.	47409	Strand	+
Start	664	End	8629
Name	OJ990625_08.9A01.C21.o1.np	Method	AAT/NAP
Start	664	End	8629
GI	2160144	Score	281
Exons	664..844, 5385..5822, 6162..6260, 8556..8629		
GI Descrip.	(AC000375) Strong similarity to Arabidopsis oligopeptide transporter (gb X77503). [Arabidopsis thaliana]		

Seq. No.	22796	Seq. ID	OJ990625_08.9A01.C21
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Gene No.	47409	Strand	+
Start	664	End	8629
Name	OJ990625_08.9A01.C21.o3.gs	Method	GENSCAN
Start	2909	End	7943
GI	none	Score	.58
Exons	2909..2967, 3667..3792, 4116..4280, 4361..4447, 5197..5224, 5370..5822, 6162..6286, 6777..6820, 7843..7943		

Seq. No.	22796	Seq. ID	OJ990625_08.9A01.C21
Gene No.	47410	Strand	-
Start	1394	End	6242
Name	OJ990625_08.9A01.C21.o1.tw	Method	TBLASTX:Wheat
Start	625	End	5432
GI	none	Score	285
Exons	625..840, 626..844, 631..849, 5366..5428, 5370..5432		

Seq. No.	22796	Seq. ID	OJ990625_08.9A01.C21
Gene No.	47410	Strand	-
Start	1394	End	6242
Name	OJ990625_08.9A01.C21.o1.tc	Method	TBLASTX:Cress
Start	635	End	5855
GI	none	Score	102
Exons	635..844, 5370..5429, 5463..5855, 5465..5824		

Seq. No.	22796	Seq. ID	OJ990625_08.9A01.C21
Gene No.	47410	Strand	-
Start	1394	End	6242
Name	OJ990625_08.9A01.C21.o2.gs	Method	GENSCAN
Start	1394	End	2119
GI	none	Score	.63
Exons	1394..1465, 1551..1714, 1771..2119		

Seq. No.	22796	Seq. ID	OJ990625_08.9A01.C21
Gene No.	47410	Strand	-
Start	1394	End	6242
Name	OJ990625_08.9A01.C21.o1.ts	Method	TBLASTX:Soybean
Start	5463	End	5854
GI	none	Score	272
Exons	5463..5825, 5471..5854		

Seq. No.	22796	Seq. ID	OJ990625_08.9A01.C21
Gene No.	47410	Strand	-
Start	1394	End	6242
Name	OJ990625_08.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	5520	End	6242
GI	none	Score	389
Exons	5520..5822, 5531..5821, 5776..5823, 6153..6242, 6164..6232		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47411	Strand	+
Start	6860	End	9837
Name	OJ990625_08.9A01.C23.o4.np	Method	AAT/NAP
Start	6860	End	9837
GI	1334612	Score	105
Exons	6860..6887, 8338..8531, 9747..9837		
GI Descrip.	(X57968) nad1 [Triticum aestivum]		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47412	Strand	+
Start	10556	End	10658
Name	OJ990625_08.9A01.C23.o3.gp	Method	AAT/GAP
Start	10556	End	10658
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	10556..10658		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o1.np	Method	AAT/NAP
Start	1	End	1980
GI	5295955	Score	255
Exons	1..480, 512..585, 1267..1381, 1925..1980		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o1.gs	Method	GENSCAN
Start	187	End	14148
GI	none	Score	.69
Exons	187..580, 1267..1445, 1857..1994, 2214..2300, 5891..6004, 6612..6730, 6835..6896, 7289..7365, 7905..8303, 10055..10232, 10764..10894, 11955..12038, 14043..14148		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o1.gp	Method	AAT/GAP
Start	3476	End	3592
GI	2311928	Score	205
Exons	3476..3592		
GI Descrip.	485861/emb X75036 TADNANAD7 1.0e-155 T.aestivum mitochondrial nad7 gene for NADH dehydrogenase subunit		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o1.tm	Method	TBLASTX:Maize
Start	3587	End	3837
GI	none	Score	222
Exons	3587..3787, 3594..3803, 3596..3790, 3779..3835, 3781..3837, 3781..3837		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o3.tc	Method	TBLASTX:Cress
Start	3616	End	3832
GI	none	Score	155
Exons	3616..3780, 3617..3778, 3770..3832		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o2.np	Method	AAT/NAP
Start	3620	End	3873
GI	131323	Score	298
Exons	3620..3873		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT K gi 72688 pir F2RZG psbG protein - rice chloroplast gi 11988 emb CAA34000 (X15901) psbG; PSII G protein [Oryza sativa] gi 226609 prf 1603356AF photosystem II G protein [Oryza sativa]		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o3.ts	Method	TBLASTX:Soybean
Start	3659	End	3838
GI	none	Score	151
Exons	3659..3835, 3659..3838		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o2.gp	Method	AAT/GAP
Start	5686	End	5980
GI	3106957	Score	399
Exons	5686..5809, 5891..5980		
GI Descrip.	1362150/pir S56693 9.0e-12 hypothetical protein (clone AFN3) - wild oat (fragment) >gi_726478 (U20000) putative ORF1 [Avena fatua]		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o3.np	Method	AAT/NAP
Start	5780	End	7446
GI	3913793	Score	505
Exons	5780..5809, 5891..6058, 6612..6730, 6835..6896, 7289..7446		
GI Descrip.	GLUTATHIONE PEROXIDASE 2 gi 2569989 emb CAA75009 (Y14707) glutathione peroxidase [Helianthus annuus]		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o2.tm	Method	TBLASTX:Maize
Start	5890	End	7368
GI	none	Score	167
Exons	5890..6033, 5891..6058, 5892..6056, 5903..6061, 6609..6728, 6609..6731, 6610..6732, 6824..6895, 6825..6896, 6844..6897, 7276..7368, 7283..7366		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o1.tc	Method	TBLASTX:Cress
Start	5891	End	7368

GI	none	Score	142
Exons	5891..6058, 5904..6056, 6609..6728, 6609..6731, 6610..6732, 6824..6895, 6825..6896, 6844..6897, 7276..7368		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o2.tw	Method	TBLASTX:Wheat
Start	5891	End	6722
GI	none	Score	110
Exons	5891..5974, 5892..5975, 5984..6058, 5985..6056, 6605..6715, 6605..6715, 6609..6722, 6610..6717		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o1.ts	Method	TBLASTX:Soybean
Start	5891	End	7368
GI	none	Score	208
Exons	5891..6058, 5892..6056, 5915..6061, 6608..6736, 6609..6731, 6609..6737, 6610..6732, 6824..6895, 6825..6896, 6834..6896, 6844..6906, 7283..7366, 7291..7368		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o3.tm	Method	TBLASTX:Maize
Start	11278	End	14220
GI	none	Score	136
Exons	11278..11412, 11301..11414, 11302..11412, 11943..12038, 11944..12036, 11952..12041, 12114..12167, 12118..12183, 12119..12184, 12120..12185, 14031..14219, 14032..14220		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o5.np	Method	AAT/NAP
Start	11298	End	14308
GI	6090879	Score	367
Exons	11298..11411, 11955..12038, 12122..12187, 14028..14308		
GI Descrip.	(AF169966) putative cycloartenol synthase [Oryza sativa]		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o2.ts	Method	TBLASTX:Soybean
Start	11301	End	14222
GI	none	Score	80
Exons	11301..11414, 11940..12035, 12122..12190, 14028..14222, 14031..14219, 14146..14220		

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o1.tw	Method	TBLASTX:Wheat
Start	11304	End	14221
GI	none	Score	69

Exons 11304..11414, 11934..12035, 11941..12036, 11963..12046,
12099..12179, 12118..12171, 12122..12190, 14026..14217,
14031..14219, 14069..14221

Seq. No.	22797	Seq. ID	OJ990625_08.9A01.C23
Gene No.	47413	Strand	-
Start	1	End	14308
Name	OJ990625_08.9A01.C23.o2.tc	Method	TBLASTX:Cress
Start	11325	End	14220
GI	none	Score	98
Exons	11325..11414, 11940..12035, 12122..12190, 14031..14219, 14056..14220		

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o1.np	Method	AAT/NAP
Start	1	End	13972
GI	2598587	Score	562
Exons	1..177, 256..302, 1557..1613, 2496..2594, 3221..3340, 3421..3543, 11216..11321, 12682..12878, 13922..13972		
GI Descrip.	(Y15366) cycloartenol synthase [Medicago truncatula]		

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o2.np	Method	AAT/NAP
Start	1	End	28264
GI	4836882	Score	940
Exons	1..177, 256..302, 1557..1613, 2496..2594, 3221..3296, 3377..3543, 11216..11329, 12690..12878, 13922..14084, 16072..16160, 16401..16592, 16693..16782, 19665..19850, 28049..28264		
GI Descrip.	(AC007260) lcl prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o1.tc	Method	TBLASTX:Cress
Start	21	End	28270
GI	none	Score	117
Exons	21..176, 31..174, 249..281, 255..305, 3221..3310, 3225..3305, 3421..3543, 3422..3526, 11216..11323, 11223..11327, 12684..12890, 12687..12851, 12688..12879, 12892..12960, 13920..14087, 13922..14086, 13942..14106, 16072..16173, 16074..16160, 16398..16478, 16399..16476, 16482..16592, 16501..16596, 16693..16782, 19653..19856, 19662..19745, 19672..19827, 28049..28213, 28244..28270		

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o2.ts	Method	TBLASTX:Soybean
Start	21	End	16164
GI	none	Score	116
Exons	21..176, 25..174, 258..305, 3221..3316, 3421..3537,		

11215..11310, 11216..11320, 11223..11330, 11225..11332,
12684..12779, 12777..12881, 13922..14080, 13922..14149,
13941..14090, 16077..16160, 16078..16164

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o1.tm	Method	TBLASTX:Maize
Start	33	End	11305
GI	none	Score	133
Exons	33..170, 34..171, 226..303, 255..305, 1554..1613, 2496..2561, 2496..2561, 3213..3305, 3215..3310, 3225..3305, 3421..3549, 3421..3546, 3423..3587, 3423..3548, 11212..11304, 11213..11305, 11213..11305		

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o2.gs	Method	GENSCAN
Start	5530	End	22885
GI	none	Score	.48
Exons	5530..5646, 6774..7145, 8240..8293, 10259..10408, 11216..11329, 12690..12878, 13922..14088, 14448..14682, 15651..15743, 16401..16592, 19665..19850, 20400..20508, 22656..22885		

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o3.tm	Method	TBLASTX:Maize
Start	8801	End	9129
GI	none	Score	194
Exons	8801..9028, 9037..9129		

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o5.tm	Method	TBLASTX:Maize
Start	12684	End	16161
GI	none	Score	94
Exons	12684..12890, 12687..12881, 12688..12903, 13920..14039, 13921..14097, 13922..14080, 13922..14098, 16072..16161, 16074..16160		

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o1.ts	Method	TBLASTX:Soybean
Start	16398	End	28270
GI	none	Score	73
Exons	16398..16481, 16464..16592, 16501..16593, 16693..16782, 19650..19856, 28049..28195, 28244..28270		

Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o4.tm	Method	TBLASTX:Maize
Start	16476	End	19824

GI	none	Score	63
Exons	16476..16592, 16484..16594, 16493..16594, 16498..16596, 16693..16782, 16700..16783, 19650..19823, 19654..19824		
Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o3.gs	Method	GENSCAN
Start	24253	End	24525
GI	none	Score	.69
Exons	24253..24525		
Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o4.gs	Method	GENSCAN
Start	27219	End	28264
GI	none	Score	.91
Exons	27219..27457, 28045..28264		
Seq. No.	22798	Seq. ID	OJ990625_08.9A01.C24
Gene No.	47414	Strand	-
Start	1	End	28270
Name	OJ990625_08.9A01.C24.o2.tm	Method	TBLASTX:Maize
Start	28048	End	28213
GI	none	Score	155
Exons	28048..28176, 28049..28213, 28050..28190		
Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47415	Strand	+
Start	4802	End	5542
Name	OJ990625_08.9A01.C25.o2.gs	Method	GENSCAN
Start	4802	End	5542
GI	none	Score	.8
Exons	4802..4940, 5181..5454, 5476..5542		
Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47416	Strand	-
Start	158	End	3732
Name	OJ990625_08.9A01.C25.o1.gs	Method	GENSCAN
Start	158	End	3732
GI	none	Score	.56
Exons	158..328, 414..629, 913..1280, 1368..1508, 1602..1652, 1859..2014, 2128..2325, 2430..2519, 2596..2744, 3392..3474, 3665..3732		
Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47416	Strand	-
Start	158	End	3732
Name	OJ990625_08.9A01.C25.o1.np	Method	AAT/NAP
Start	918	End	2778
GI	3128168	Score	215
Exons	918..1297, 1379..1541, 1626..1692, 1883..2014, 2087..2282, 2366..2560, 2670..2778		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		
Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25

Gene No.	47417	Strand	-
Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o3.tm	Method	TBLASTX:Maize
Start	915	End	2522
GI	none	Score	77
Exons	915..1040, 1041..1136, 1167..1268, 1368..1550, 2433..2522		

Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47417	Strand	-
Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o2.ts	Method	TBLASTX:Soybean
Start	924	End	1550
GI	none	Score	82
Exons	924..1040, 1041..1136, 1167..1268, 1368..1550		

Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47417	Strand	-
Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o1.tc	Method	TBLASTX:Cress
Start	936	End	1490
GI	none	Score	90
Exons	936..1028, 1053..1136, 1167..1268, 1248..1307, 1368..1490		

Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47417	Strand	-
Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o3.gs	Method	GENSCAN
Start	5981	End	7259
GI	none	Score	.59
Exons	5981..6115, 6481..6530, 7199..7259		

Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47417	Strand	-
Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o4.tm	Method	TBLASTX:Maize
Start	6375	End	6669
GI	none	Score	59
Exons	6375..6476, 6449..6619, 6471..6668, 6556..6669		

Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47417	Strand	-
Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o1.tw	Method	TBLASTX:Wheat
Start	6745	End	7115
GI	none	Score	119
Exons	6745..6978, 6747..7115		

Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47417	Strand	-
Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o1.tm	Method	TBLASTX:Maize
Start	6840	End	7311
GI	none	Score	73
Exons	6840..6926, 6844..6948, 6939..7310, 7093..7311		

Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47417	Strand	-

Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o2.tw	Method	TBLASTX:Wheat
Start	7209	End	7760
GI	none	Score	52
Exons	7209..7325, 7386..7760, 7452..7613		

Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47417	Strand	-
Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o1.ts	Method	TBLASTX:Soybean
Start	7383	End	7769
GI	none	Score	166
Exons	7383..7568, 7557..7769		

Seq. No.	22799	Seq. ID	OJ990625_08.9A01.C25
Gene No.	47417	Strand	-
Start	5981	End	7769
Name	OJ990625_08.9A01.C25.o2.tm	Method	TBLASTX:Maize
Start	7498	End	7769
GI	none	Score	91
Exons	7498..7677, 7512..7769, 7536..7763		

Seq. No.	22800	Seq. ID	OJ990625_08.9A01.C26
Gene No.	47418	Strand	-
Start	1199	End	2163
Name	OJ990625_08.9A01.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	463
GI	none	Score	75
Exons	2..463, 21..110, 44..424, 195..440		

Seq. No.	22800	Seq. ID	OJ990625_08.9A01.C26
Gene No.	47418	Strand	-
Start	1199	End	2163
Name	OJ990625_08.9A01.C26.o2.tw	Method	TBLASTX:Wheat
Start	77	End	409
GI	none	Score	70
Exons	77..163, 80..409, 85..363, 171..377		

Seq. No.	22800	Seq. ID	OJ990625_08.9A01.C26
Gene No.	47418	Strand	-
Start	1199	End	2163
Name	OJ990625_08.9A01.C26.o2.tm	Method	TBLASTX:Maize
Start	602	End	1309
GI	none	Score	50
Exons	602..700, 603..662, 672..839, 677..835, 839..1003, 898..942, 1139..1309		

Seq. No.	22800	Seq. ID	OJ990625_08.9A01.C26
Gene No.	47418	Strand	-
Start	1199	End	2163
Name	OJ990625_08.9A01.C26.o1.tw	Method	TBLASTX:Wheat
Start	740	End	1151
GI	none	Score	165
Exons	740..1081, 741..1151		

Seq. No.	22800	Seq. ID	OJ990625_08.9A01.C26
Gene No.	47418	Strand	-

Start 1199
 Name OJ990625_08.9A01.C26.o1.gs
 Start 1199
 GI none
 Exons 1199..1953, 2061..2163

End 2163
 Method GENSCAN
 End 2163
 Score .5

Seq. No. 22800
 Gene No. 47418
 Start 1199
 Name OJ990625_08.9A01.C26.o3.tw
 Start 1373
 GI none
 Exons 1373..1597, 1397..1606, 1598..1723, 1608..1727

Seq. ID OJ990625_08.9A01.C26
 Strand -
 End 2163
 Method TBLASTX:Wheat
 End 1727
 Score 104

Seq. No. 22801
 Gene No. 47419
 Start 27
 Name OJ990625_08.9A01.C27.o1.gs
 Start 27
 GI none
 Exons 27..1658, 1774..2131, 2284..2424

Seq. ID OJ990625_08.9A01.C27
 Strand -
 End 2424
 Method GENSCAN
 End 2424
 Score .45

Seq. No. 22801
 Gene No. 47419
 Start 27
 Name OJ990625_08.9A01.C27.o1.tm
 Start 841
 GI none
 Exons 841..1056, 899..1057, 1126..1164

Seq. ID OJ990625_08.9A01.C27
 Strand -
 End 2424
 Method TBLASTX:Maize
 End 1164
 Score 125

Seq. No. 22801
 Gene No. 47419
 Start 27
 Name OJ990625_08.9A01.C27.o1.np
 Start 1772
 GI 3451060
 Exons 1772..2132, 2284..2409
 GI Descrip. (AL031326) putative protein [Arabidopsis thaliana]

Seq. ID OJ990625_08.9A01.C27
 Strand -
 End 2424
 Method AAT/NAP
 End 2409
 Score 150

Seq. No. 22802
 Gene No. 47420
 Start 1
 Name OJ990625_08.9A01.C30.o1.np
 Start 1
 GI 4335720
 Exons 1..448
 GI Descrip. (AC006248) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]

Seq. ID OJ990625_08.9A01.C30
 Strand -
 End 448
 Method AAT/NAP
 End 448
 Score 171

Seq. No. 22802
 Gene No. 47420
 Start 1
 Name OJ990625_08.9A01.C30.o1.tm
 Start 246
 GI none
 Exons 246..419, 253..420

Seq. ID OJ990625_08.9A01.C30
 Strand -
 End 448
 Method TBLASTX:Maize
 End 420
 Score 125

Seq. No.	22803	Seq. ID	OJ990625_08.9A01.C31
Gene No.	47421	Strand	-
Start	40	End	83
Name	OJ990625_08.9A01.C31.ol.gs	Method	GENSCAN
Start	40	End	83
GI	none	Score	.62
Exons	40..83		
Seq. No.	22804	Seq. ID	OJ990915_02.9A18.C1
Gene No.	47422	Strand	-
Start	1	End	2101
Name	OJ990915_02.9A18.C1.ol.np	Method	AAT/NAP
Start	1	End	2101
GI	4971998	Score	418
Exons	1..294, 887..1145, 1235..1372, 2025..2101		
GI Descrip.	(Y14685) polynucleotide phosphorylase [Arabidopsis thaliana] gi 4972000 emb CAB43865.1 (Y14686) polynucleotide phosphorylase [Arabidopsis thaliana]		
Seq. No.	22804	Seq. ID	OJ990915_02.9A18.C1
Gene No.	47422	Strand	-
Start	1	End	2101
Name	OJ990915_02.9A18.C1.ol.gs	Method	GENSCAN
Start	394	End	1372
GI	none	Score	.83
Exons	394..522, 983..1145, 1235..1372		
Seq. No.	22805	Seq. ID	OJ990915_02.9A18.C2
Gene No.	47423	Strand	+
Start	6120	End	6633
Name	OJ990915_02.9A18.C2.o4.np	Method	AAT/NAP
Start	6120	End	6633
GI	5922623	Score	105
Exons	6120..6200, 6585..6633		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	22805	Seq. ID	OJ990915_02.9A18.C2
Gene No.	47424	Strand	-
Start	1	End	4513
Name	OJ990915_02.9A18.C2.ol.np	Method	AAT/NAP
Start	1	End	1750
GI	4971998	Score	802
Exons	1..49, 118..243, 539..709, 802..957, 1428..1750		
GI Descrip.	(Y14685) polynucleotide phosphorylase [Arabidopsis thaliana] gi 4972000 emb CAB43865.1 (Y14686) polynucleotide phosphorylase [Arabidopsis thaliana]		
Seq. No.	22805	Seq. ID	OJ990915_02.9A18.C2
Gene No.	47424	Strand	-
Start	1	End	4513
Name	OJ990915_02.9A18.C2.ol.gs	Method	GENSCAN
Start	118	End	3043
GI	none	Score	.49
Exons	118..243, 539..709, 802..957, 1428..1687, 2011..2206, 2816..3043		

Seq. No.	22805	Seq. ID	OJ990915_02.9A18.C2
Gene No.	47424	Strand	-
Start	1	End	4513
Name	OJ990915_02.9A18.C2.o2.np	Method	AAT/NAP
Start	2356	End	4513
GI	6498436	Score	1842
Exons	2356..2474, 2740..3627, 3676..3793, 4427..4513		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	22805	Seq. ID	OJ990915_02.9A18.C2
Gene No.	47425	Strand	-
Start	5986	End	6633
Name	OJ990915_02.9A18.C2.o1.tc	Method	TBLASTX:Cress
Start	1425	End	1617
GI	none	Score	155
Exons	1425..1448, 1441..1617, 1452..1616		

Seq. No.	22805	Seq. ID	OJ990915_02.9A18.C2
Gene No.	47425	Strand	-
Start	5986	End	6633
Name	OJ990915_02.9A18.C2.o1.tw	Method	TBLASTX:Wheat
Start	3926	End	4420
GI	none	Score	62
Exons	3926..4222, 3936..4145, 4238..4420		

Seq. No.	22805	Seq. ID	OJ990915_02.9A18.C2
Gene No.	47425	Strand	-
Start	5986	End	6633
Name	OJ990915_02.9A18.C2.o1.ts	Method	TBLASTX:Soybean
Start	4028	End	4408
GI	none	Score	114
Exons	4028..4219, 4217..4408		

Seq. No.	22805	Seq. ID	OJ990915_02.9A18.C2
Gene No.	47425	Strand	-
Start	5986	End	6633
Name	OJ990915_02.9A18.C2.o3.np	Method	AAT/NAP
Start	5986	End	6633
GI	6815052	Score	173
Exons	5986..6128, 6534..6633		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	22806	Seq. ID	OJ990915_02.9A18.C3
Gene No.	47426	Strand	-
Start	132	End	6787
Name	OJ990915_02.9A18.C3.o1.gs	Method	GENSCAN
Start	132	End	6595
GI	none	Score	.46
Exons	132..948, 1587..1863, 1967..3293, 3349..3554, 4112..4188, 4689..4864, 5032..5163, 6587..6595		

Seq. No.	22806	Seq. ID	OJ990915_02.9A18.C3
Gene No.	47426	Strand	-
Start	132	End	6787
Name	OJ990915_02.9A18.C3.o1.np	Method	AAT/NAP
Start	279	End	3935
GI	5042454	Score	3920

Exons 279..948, 1587..3293, 3349..3449, 3790..3935
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	22806	Seq. ID	OJ990915_02.9A18.C3
Gene No.	47426	Strand	-
Start	132	End	6787
Name	OJ990915_02.9A18.C3.o1.tw	Method	TBLASTX:Wheat
Start	2229	End	2621
GI	none	Score	89
Exons	2229..2486, 2263..2502, 2469..2567, 2470..2550, 2574..2621		

Seq. No.	22806	Seq. ID	OJ990915_02.9A18.C3
Gene No.	47426	Strand	-
Start	132	End	6787
Name	OJ990915_02.9A18.C3.o1.tm	Method	TBLASTX:Maize
Start	2331	End	2616
GI	none	Score	103
Exons	2331..2579, 2332..2616		

Seq. No.	22806	Seq. ID	OJ990915_02.9A18.C3
Gene No.	47426	Strand	-
Start	132	End	6787
Name	OJ990915_02.9A18.C3.o2.np	Method	AAT/NAP
Start	3676	End	6787
GI	6498436	Score	435
Exons	3676..3748, 4643..5050, 6733..6787		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	22807	Seq. ID	OJ990915_02.9A18.C5
Gene No.	47427	Strand	+
Start	1	End	573
Name	OJ990915_02.9A18.C5.o1.gp	Method	AAT/GAP
Start	1	End	573
GI	none	Score	892
Exons	1..40, 120..573		

Seq. No.	22807	Seq. ID	OJ990915_02.9A18.C5
Gene No.	47428	Strand	+
Start	1523	End	1613
Name	OJ990915_02.9A18.C5.o2.gp	Method	AAT/GAP
Start	1523	End	1613
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	1523..1613		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22807	Seq. ID	OJ990915_02.9A18.C5
Gene No.	47429	Strand	+
Start	6799	End	9258
Name	OJ990915_02.9A18.C5.o2.gs	Method	GENSCAN
Start	6799	End	9119
GI	none	Score	.47
Exons	6799..7105, 7114..7287, 8532..8596, 9030..9119		

Seq. No.	22807	Seq. ID	OJ990915_02.9A18.C5
Gene No.	47429	Strand	+

Start	6799	End	9258
Name	OJ990915_02.9A18.C5.o3.gp	Method	AAT/GAP
Start	6995	End	9258
GI	none	Score	780
Exons	6995..7030, 7114..7287, 8532..8596, 9030..9258		

Seq. No.	22807	Seq. ID	OJ990915_02.9A18.C5
Gene No.	47430	Strand	-
Start	1069	End	5642
Name	OJ990915_02.9A18.C5.o1.gs	Method	GENSCAN
Start	1069	End	5642
GI	none	Score	.72
Exons	1069..1204, 3680..3946, 4319..4650, 4763..4969, 5619..5642		

Seq. No.	22807	Seq. ID	OJ990915_02.9A18.C5
Gene No.	47431	Strand	-
Start	7122	End	9138
Name	OJ990915_02.9A18.C5.o1.tm	Method	TBLASTX:Maize
Start	7122	End	9138
GI	none	Score	227
Exons	7122..7289, 7134..7289, 7141..7290, 7177..7290, 8515..8598, 8531..8599, 9024..9137, 9028..9138		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47432	Strand	-
Start	1	End	3575
Name	OJ990915_02.9A18.C8.o1.np	Method	AAT/NAP
Start	1	End	3575
GI	4680179	Score	4018
Exons	1..2459, 2493..3575		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47432	Strand	-
Start	1	End	3575
Name	OJ990915_02.9A18.C8.o1.gs	Method	GENSCAN
Start	50	End	3572
GI	none	Score	.59
Exons	50..951, 977..2450, 2456..2654, 2670..2890, 2901..3572		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47433	Strand	-
Start	3822	End	4631
Name	OJ990915_02.9A18.C8.o3.tm	Method	TBLASTX:Maize
Start	2	End	259
GI	none	Score	231
Exons	2..256, 12..254, 17..259		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47433	Strand	-
Start	3822	End	4631
Name	OJ990915_02.9A18.C8.o2.ts	Method	TBLASTX:Soybean
Start	20	End	280
GI	none	Score	148
Exons	20..280, 21..275		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
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Gene No. 47433
 Start 3822
 Name OJ990915_02.9A18.C8.o1.tc
 Start 44
 GI none
 Exons 44..187, 45..185, 188..361

Strand -
 End 4631
 Method TBLASTX:Cress
 End 361
 Score 85

Seq. No. 22808
 Gene No. 47433
 Start 3822
 Name OJ990915_02.9A18.C8.o1.tw
 Start 68
 GI none
 Exons 68..646, 69..635

Seq. ID OJ990915_02.9A18.C8
 Strand -
 End 4631
 Method TBLASTX:Wheat
 End 646
 Score 331

Seq. No. 22808
 Gene No. 47433
 Start 3822
 Name OJ990915_02.9A18.C8.o1.tm
 Start 626
 GI none
 Exons 626..988, 635..988, 639..989

Seq. ID OJ990915_02.9A18.C8
 Strand -
 End 4631
 Method TBLASTX:Maize
 End 989
 Score 162

Seq. No. 22808
 Gene No. 47433
 Start 3822
 Name OJ990915_02.9A18.C8.o2.tw
 Start 677
 GI none
 Exons 677..1000, 679..990, 683..997, 696..1001, 1002..1091

Seq. ID OJ990915_02.9A18.C8
 Strand -
 End 4631
 Method TBLASTX:Wheat
 End 1091
 Score 161

Seq. No. 22808
 Gene No. 47433
 Start 3822
 Name OJ990915_02.9A18.C8.o2.tm
 Start 1026
 GI none
 Exons 1026..1340, 1069..1119, 1147..1200, 1347..1526, 1402..1518

Seq. ID OJ990915_02.9A18.C8
 Strand -
 End 4631
 Method TBLASTX:Maize
 End 1526
 Score 50

Seq. No. 22808
 Gene No. 47433
 Start 3822
 Name OJ990915_02.9A18.C8.o1.ts
 Start 1077
 GI none
 Exons 1077..1436, 1078..1368, 1402..1434, 1440..1472, 1441..1470

Seq. ID OJ990915_02.9A18.C8
 Strand -
 End 4631
 Method TBLASTX:Soybean
 End 1472
 Score 193

Seq. No. 22808
 Gene No. 47433
 Start 3822
 Name OJ990915_02.9A18.C8.o4.tw
 Start 1092
 GI none
 Exons 1092..1361, 1092..1364, 1093..1362

Seq. ID OJ990915_02.9A18.C8
 Strand -
 End 4631
 Method TBLASTX:Wheat
 End 1364
 Score 173

Seq. No. 22808
 Gene No. 47433

Seq. ID OJ990915_02.9A18.C8
 Strand -

Start	3822	End	4631
Name	OJ990915_02.9A18.C8.o3.tw	Method	TBLASTX:Wheat
Start	1413	End	1899
GI	none	Score	281
Exons	1413..1790, 1456..1899, 1845..1895		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47433	Strand	-
Start	3822	End	4631
Name	OJ990915_02.9A18.C8.o2.tc	Method	TBLASTX:Cress
Start	1449	End	1766
GI	none	Score	182
Exons	1449..1766		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47433	Strand	-
Start	3822	End	4631
Name	OJ990915_02.9A18.C8.o4.tm	Method	TBLASTX:Maize
Start	1594	End	1884
GI	none	Score	216
Exons	1594..1884, 1596..1883		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47433	Strand	-
Start	3822	End	4631
Name	OJ990915_02.9A18.C8.o6.tw	Method	TBLASTX:Wheat
Start	2064	End	2432
GI	none	Score	68
Exons	2064..2177, 2065..2178, 2223..2432, 2224..2376		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47433	Strand	-
Start	3822	End	4631
Name	OJ990915_02.9A18.C8.o6.tm	Method	TBLASTX:Maize
Start	2115	End	2468
GI	none	Score	184
Exons	2115..2468		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47433	Strand	-
Start	3822	End	4631
Name	OJ990915_02.9A18.C8.o5.tm	Method	TBLASTX:Maize
Start	2793	End	3098
GI	none	Score	87
Exons	2793..3098, 2968..3084		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47433	Strand	-
Start	3822	End	4631
Name	OJ990915_02.9A18.C8.o5.tw	Method	TBLASTX:Wheat
Start	2979	End	3339
GI	none	Score	149
Exons	2979..3338, 2980..3339		

Seq. No.	22808	Seq. ID	OJ990915_02.9A18.C8
Gene No.	47433	Strand	-
Start	3822	End	4631

Name OJ990915_02.9A18.C8.o2.gs
 Start 3822
 GI none
 Exons 3822..4631

Method GENSCAN
 End 4631
 Score .89

Seq. No. 22809
 Gene No. 47434
 Start 1
 Name OJ990915_02.9A18.C9.o1.np
 Start 1
 GI 6907086
 Exons 1..237, 361..408, 632..893, 951..1719
 GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. ID OJ990915_02.9A18.C9
 Strand -
 End 3407
 Method AAT/NAP
 End 1719
 Score 1648

Seq. No. 22809
 Gene No. 47434
 Start 1
 Name OJ990915_02.9A18.C9.o1.gs
 Start 931
 GI none
 Exons 931..1460, 2210..2297, 3158..3229

Seq. ID OJ990915_02.9A18.C9
 Strand -
 End 3407
 Method GENSCAN
 End 3229
 Score .45

Seq. No. 22809
 Gene No. 47434
 Start 1
 Name OJ990915_02.9A18.C9.o1.gp
 Start 3026
 GI uC-osflcyp033a04b1
 Exons 3026..3407
 GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. ID OJ990915_02.9A18.C9
 Strand -
 End 3407
 Method AAT/GAP
 End 3407
 Score 679

Seq. No. 22809
 Gene No. 47435
 Start 3801
 Name OJ990915_02.9A18.C9.o2.gs
 Start 3801
 GI none
 Exons 3801..3920, 4250..4411

Seq. ID OJ990915_02.9A18.C9
 Strand -
 End 4411
 Method GENSCAN
 End 4411
 Score .55

Seq. No. 22809
 Gene No. 47436
 Start 5458
 Name OJ990915_02.9A18.C9.o3.gs
 Start 5458
 GI none
 Exons 5458..5641, 5681..6252

Seq. ID OJ990915_02.9A18.C9
 Strand -
 End 6375
 Method GENSCAN
 End 6252
 Score .47

Seq. No. 22809
 Gene No. 47436
 Start 5458
 Name OJ990915_02.9A18.C9.o2.np
 Start 5461
 GI 4680179
 Exons 5461..6375
 GI Descrip. (AF1111709) polyprotein [Oryza sativa subsp. indica]

Seq. ID OJ990915_02.9A18.C9
 Strand -
 End 6375
 Method AAT/NAP
 End 6375
 Score 1320

Seq. No.	22809	Seq. ID	OJ990915_02.9A18.C9
Gene No.	47436	Strand	-
Start	5458	End	6375
Name	OJ990915_02.9A18.C9.o2.tw	Method	TBLASTX:Wheat
Start	5506	End	5839
GI	none	Score	118
Exons	5506..5838, 5527..5835, 5570..5839		

Seq. No.	22809	Seq. ID	OJ990915_02.9A18.C9
Gene No.	47436	Strand	-
Start	5458	End	6375
Name	OJ990915_02.9A18.C9.o1.tm	Method	TBLASTX:Maize
Start	5686	End	6285
GI	none	Score	220
Exons	5686..6126, 5702..6127, 6124..6285, 6130..6282		

Seq. No.	22809	Seq. ID	OJ990915_02.9A18.C9
Gene No.	47436	Strand	-
Start	5458	End	6375
Name	OJ990915_02.9A18.C9.o1.tw	Method	TBLASTX:Wheat
Start	5839	End	6361
GI	none	Score	83
Exons	5839..6348, 5842..6093, 5951..6361		

Seq. No.	22810	Seq. ID	OJ990915_02.9A18.C10
Gene No.	47437	Strand	+
Start	325	End	825
Name	OJ990915_02.9A18.C10.o1.gp	Method	AAT/GAP
Start	325	End	825
GI	38782_1.R1084	Score	812
Exons	325..825		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	22811	Seq. ID	OJ990915_02.9A18.C11
Gene No.	47438	Strand	-
Start	379	End	447
Name	OJ990915_02.9A18.C11.o1.gs	Method	GENSCAN
Start	379	End	447
GI	none	Score	.72
Exons	379..447		

Seq. No.	22812	Seq. ID	OJ990915_02.9A18.C12
Gene No.	47439	Strand	+
Start	79	End	1768
Name	OJ990915_02.9A18.C12.o1.gs	Method	GENSCAN
Start	79	End	1768
GI	none	Score	.75
Exons	79..250, 1259..1308, 1542..1768		

Seq. No.	22812	Seq. ID	OJ990915_02.9A18.C12
Gene No.	47440	Strand	-
Start	297	End	1778
Name	OJ990915_02.9A18.C12.o1.np	Method	AAT/NAP
Start	297	End	1778
GI	5042463	Score	79
Exons	297..378, 429..581, 1246..1458, 1686..1778		

GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No.	22813	Seq. ID	OJ990915_02.9A18.C13
Gene No.	47441	Strand	+
Start	293	End	1322
Name	OJ990915_02.9A18.C13.o1.gs	Method	GENSCAN
Start	293	End	1322
GI	none	Score	.72
Exons	293..365, 672..747, 1022..1091, 1176..1322		

Seq. No.	22813	Seq. ID	OJ990915_02.9A18.C13
Gene No.	47442	Strand	+
Start	3246	End	3403
Name	OJ990915_02.9A18.C13.o1.gp	Method	AAT/GAP
Start	3246	End	3403
GI	LIB3434-035-P1-K1-A7	Score	229
Exons	3246..3403		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	22813	Seq. ID	OJ990915_02.9A18.C13
Gene No.	47443	Strand	+
Start	5712	End	6045
Name	OJ990915_02.9A18.C13.o2.gp	Method	AAT/GAP
Start	5712	End	6045
GI	3060996	Score	635
Exons	5712..6045		

Seq. No.	22813	Seq. ID	OJ990915_02.9A18.C13
Gene No.	47444	Strand	-
Start	1807	End	6244
Name	OJ990915_02.9A18.C13.o2.gs	Method	GENSCAN
Start	1807	End	6244
GI	none	Score	.66
Exons	1807..2016, 2119..2177, 2696..2775, 2822..2971, 4379..4400, 5425..5523, 5823..5961, 6050..6244		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47445	Strand	+
Start	566	End	3280
Name	OJ990915_02.9A18.C14.o1.np	Method	AAT/NAP
Start	566	End	2647
GI	3928084	Score	1439
Exons	566..2647		
GI Descrip.	(AC005770) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47445	Strand	+
Start	566	End	3280
Name	OJ990915_02.9A18.C14.o1.gs	Method	GENSCAN
Start	689	End	3280
GI	none	Score	.71
Exons	689..718, 776..2664, 2797..2827, 3143..3226, 3266..3280		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47445	Strand	+

Start	566	End	3280
Name	OJ990915_02.9A18.C14.o1.gp	Method	AAT/GAP
Start	971	End	1389
GI	699985	Score	831
Exons	971..1389		
GI Descrip.	3928084 3.0e-12 (AC005770) retrotransposon-like protein [Arabidopsis thaliana]		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47445	Strand	+
Start	566	End	3280
Name	OJ990915_02.9A18.C14.o2.gp	Method	AAT/GAP
Start	2564	End	3167
GI	84326_1.R1084	Score	1066
Exons	2564..3167		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47446	Strand	+
Start	6747	End	7445
Name	OJ990915_02.9A18.C14.o3.gs	Method	GENSCAN
Start	6747	End	7445
GI	none	Score	.82
Exons	6747..7445		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o4.ts	Method	TBLASTX:Soybean
Start	756	End	1117
GI	none	Score	71
Exons	756..935, 766..936, 772..939, 773..961, 1076..1117		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o1.tc	Method	TBLASTX:Cress
Start	764	End	1261
GI	none	Score	259
Exons	764..988, 778..936, 1055..1123, 1154..1261, 1159..1260		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o4.tm	Method	TBLASTX:Maize
Start	767	End	937
GI	none	Score	239
Exons	767..937, 772..936		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o1.ts	Method	TBLASTX:Soybean
Start	1205	End	1678
GI	none	Score	417
Exons	1205..1597, 1318..1596, 1342..1599, 1556..1678		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o1.tm	Method	TBLASTX:Maize
Start	1378	End	1791
GI	none	Score	611
Exons	1378..1791, 1379..1789, 1381..1791		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o3.ts	Method	TBLASTX:Soybean
Start	1778	End	2080
GI	none	Score	324
Exons	1778..2080, 1781..1912, 1801..1989		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o3.tm	Method	TBLASTX:Maize
Start	1796	End	2080
GI	none	Score	324
Exons	1796..2080, 1799..1966, 1801..2019		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o2.tc	Method	TBLASTX:Cress
Start	2101	End	2495
GI	none	Score	59
Exons	2101..2154, 2102..2161, 2159..2236, 2167..2235, 2209..2493, 2297..2494, 2391..2495		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o2.tm	Method	TBLASTX:Maize
Start	2126	End	2604
GI	none	Score	576
Exons	2126..2602, 2126..2572, 2295..2603, 2317..2604		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o2.ts	Method	TBLASTX:Soybean
Start	2203	End	2587
GI	none	Score	377
Exons	2203..2583, 2210..2587		

Seq. No.	22814	Seq. ID	OJ990915_02.9A18.C14
Gene No.	47447	Strand	-
Start	3917	End	5703
Name	OJ990915_02.9A18.C14.o2.gs	Method	GENSCAN
Start	3917	End	5703
GI	none	Score	.68
Exons	3917..4069, 4706..5284, 5307..5419, 5697..5703		

Seq. No.	22815	Seq. ID	OJ990915_02.9A18.C15
Gene No.	47448	Strand	+
Start	7662	End	13011
Name	OJ990915_02.9A18.C15.o3.gs	Method	GENSCAN
Start	7662	End	9493
GI	none	Score	.61
Exons	7662..8265, 8306..8429, 8650..9493		

Seq. No.	22815	Seq. ID	OJ990915_02.9A18.C15
Gene No.	47448	Strand	+
Start	7662	End	13011
Name	OJ990915_02.9A18.C15.o1.np	Method	AAT/NAP
Start	7996	End	13011
GI	4884836	Score	58
Exons	7996..8138, 9015..9108, 12609..12748, 12849..13011		
GI Descrip.	(AF131877) NapG oxidoreductase [Streptomyces collinus]		

Seq. No.	22815	Seq. ID	OJ990915_02.9A18.C15
Gene No.	47448	Strand	+
Start	7662	End	13011
Name	OJ990915_02.9A18.C15.o4.gs	Method	GENSCAN
Start	10710	End	11315
GI	none	Score	.92
Exons	10710..11315		

Seq. No.	22815	Seq. ID	OJ990915_02.9A18.C15
Gene No.	47449	Strand	+
Start	17529	End	17609
Name	OJ990915_02.9A18.C15.o1.gp	Method	AAT/GAP
Start	17529	End	17609
GI	38012_1.R1084	Score	104
Exons	17529..17609		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	22815	Seq. ID	OJ990915_02.9A18.C15
Gene No.	47450	Strand	-
Start	5457	End	6656
Name	OJ990915_02.9A18.C15.o2.gs	Method	GENSCAN
Start	5457	End	6656
GI	none	Score	.7
Exons	5457..5572, 6512..6656		

Seq. No.	22815	Seq. ID	OJ990915_02.9A18.C15
Gene No.	47451	Strand	-
Start	12293	End	12948
Name	OJ990915_02.9A18.C15.o5.gs	Method	GENSCAN
Start	12293	End	12948
GI	none	Score	.9
Exons	12293..12673, 12727..12948		

Seq. No.	22815	Seq. ID	OJ990915_02.9A18.C15
Gene No.	47452	Strand	-
Start	14630	End	15781
Name	OJ990915_02.9A18.C15.o6.gs	Method	GENSCAN
Start	14630	End	15781

GI	none	Score	.64
Exons	14630..15520, 15773..15781		
Seq. No.	22816	Seq. ID	OJ990915_02.9A18.C16
Gene No.	47453	Strand	-
Start	37	End	1257
Name	OJ990915_02.9A18.C16.o1.np	Method	AAT/NAP
Start	37	End	1257
GI	4680179	Score	1508
Exons	37..1257		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22816	Seq. ID	OJ990915_02.9A18.C16
Gene No.	47453	Strand	-
Start	37	End	1257
Name	OJ990915_02.9A18.C16.o1.gs	Method	GENSCAN
Start	66	End	1234
GI	none	Score	.69
Exons	66..827, 956..1234		

Seq. No.	22816	Seq. ID	OJ990915_02.9A18.C16
Gene No.	47453	Strand	-
Start	37	End	1257
Name	OJ990915_02.9A18.C16.o2.tw	Method	TBLASTX:Wheat
Start	81	End	414
GI	none	Score	100
Exons	81..413, 102..251, 265..414		

Seq. No.	22816	Seq. ID	OJ990915_02.9A18.C16
Gene No.	47453	Strand	-
Start	37	End	1257
Name	OJ990915_02.9A18.C16.o3.tm	Method	TBLASTX:Maize
Start	96	End	254
GI	none	Score	55
Exons	96..254, 98..181		

Seq. No.	22816	Seq. ID	OJ990915_02.9A18.C16
Gene No.	47453	Strand	-
Start	37	End	1257
Name	OJ990915_02.9A18.C16.o1.tm	Method	TBLASTX:Maize
Start	264	End	851
GI	none	Score	69
Exons	264..359, 264..701, 274..483, 432..701, 559..702, 699..851, 706..849		

Seq. No.	22816	Seq. ID	OJ990915_02.9A18.C16
Gene No.	47453	Strand	-
Start	37	End	1257
Name	OJ990915_02.9A18.C16.o1.tw	Method	TBLASTX:Wheat
Start	414	End	1039
GI	none	Score	184
Exons	414..854, 538..849, 854..1039, 861..983		

Seq. No.	22816	Seq. ID	OJ990915_02.9A18.C16
Gene No.	47453	Strand	-
Start	37	End	1257
Name	OJ990915_02.9A18.C16.o2.tm	Method	TBLASTX:Maize

Start 908
 GI none
 Exons 908..1198, 912..1187

End 1198
 Score 231

Seq. No. 22816
 Gene No. 47453
 Start 37
 Name OJ990915_02.9A18.C16.o1.ts
 Start 998
 GI none
 Exons 998..1246, 999..1253

Seq. ID OJ990915_02.9A18.C16
 Strand -
 End 1257
 Method TBLASTX:Soybean
 End 1253
 Score 173

Seq. No. 22816
 Gene No. 47453
 Start 37
 Name OJ990915_02.9A18.C16.o3.tw
 Start 1046
 GI none
 Exons 1046..1249, 1050..1250, 1051..1257

Seq. ID OJ990915_02.9A18.C16
 Strand -
 End 1257
 Method TBLASTX:Wheat
 End 1257
 Score 205

Seq. No. 22817
 Gene No. 47454
 Start 5488
 Name OJ990915_02.9A18.C17.o2.gs
 Start 5488
 GI none
 Exons 5488..5558, 6320..6447, 6512..7059

Seq. ID OJ990915_02.9A18.C17
 Strand +
 End 7059
 Method GENSCAN
 End 7059
 Score .67

Seq. No. 22817
 Gene No. 47455
 Start 1
 Name OJ990915_02.9A18.C17.o1.np
 Start 1
 GI 4680179
 Exons 1..1887, 1990..2971, 6952..7029

Seq. ID OJ990915_02.9A18.C17
 Strand -
 End 7029
 Method AAT/NAP
 End 7029
 Score 2709

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No. 22817
 Gene No. 47456
 Start 7489
 Name OJ990915_02.9A18.C17.o3.gs
 Start 7489
 GI none
 Exons 7489..7986, 8094..9001, 9068..9248

Seq. ID OJ990915_02.9A18.C17
 Strand -
 End 9248
 Method GENSCAN
 End 9248
 Score .74

Seq. No. 22817
 Gene No. 47457
 Start 10542
 Name OJ990915_02.9A18.C17.o4.gs
 Start 10542
 GI none
 Exons 10542..11525

Seq. ID OJ990915_02.9A18.C17
 Strand -
 End 11525
 Method GENSCAN
 End 11525
 Score .73

Seq. No. 22817
 Gene No. 47458
 Start 13157
 Name OJ990915_02.9A18.C17.o2.tm

Seq. ID OJ990915_02.9A18.C17
 Strand -
 End 14354
 Method TBLASTX:Maize

Start 45
GI none
Exons 45..401, 47..400

End 401
Score 244

Seq. No. 22817
Gene No. 47458
Start 13157
Name OJ990915_02.9A18.C17.o1.tw
Start 47
GI none
Exons 47..472, 48..473

Seq. ID OJ990915_02.9A18.C17
Strand -
End 14354
Method TBLASTX:Wheat
End 473
Score 296

Seq. No. 22817
Gene No. 47458
Start 13157
Name OJ990915_02.9A18.C17.o3.ts
Start 221
GI none
Exons 221..466

Seq. ID OJ990915_02.9A18.C17
Strand -
End 14354
Method TBLASTX:Soybean
End 466
Score 192

Seq. No. 22817
Gene No. 47458
Start 13157
Name OJ990915_02.9A18.C17.o4.tm
Start 407
GI none
Exons 407..754, 552..722

Seq. ID OJ990915_02.9A18.C17
Strand -
End 14354
Method TBLASTX:Maize
End 754
Score 66

Seq. No. 22817
Gene No. 47458
Start 13157
Name OJ990915_02.9A18.C17.o3.tw
Start 479
GI none
Exons 479..775, 516..731

Seq. ID OJ990915_02.9A18.C17
Strand -
End 14354
Method TBLASTX:Wheat
End 775
Score 180

Seq. No. 22817
Gene No. 47458
Start 13157
Name OJ990915_02.9A18.C17.o2.ts
Start 488
GI none
Exons 488..847, 516..731, 539..847, 771..866, 851..883, 851..883

Seq. ID OJ990915_02.9A18.C17
Strand -
End 14354
Method TBLASTX:Soybean
End 883
Score 148

Seq. No. 22817
Gene No. 47458
Start 13157
Name OJ990915_02.9A18.C17.o3.tm
Start 770
GI none
Exons 770..1237, 989..1165

Seq. ID OJ990915_02.9A18.C17
Strand -
End 14354
Method TBLASTX:Maize
End 1237
Score 89

Seq. No. 22817
Gene No. 47458
Start 13157
Name OJ990915_02.9A18.C17.o2.tw
Start 824

Seq. ID OJ990915_02.9A18.C17
Strand -
End 14354
Method TBLASTX:Wheat
End 1307

GI	none	Score	160
Exons	824..1306, 833..1279, 852..1307		
Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o6.tm	Method	TBLASTX:Maize
Start	1238	End	1435
GI	none	Score	162
Exons	1238..1435, 1239..1385		
Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o4.tw	Method	TBLASTX:Wheat
Start	1448	End	1852
GI	none	Score	84
Exons	1448..1618, 1503..1622, 1631..1852		
Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o7.tm	Method	TBLASTX:Maize
Start	1535	End	1858
GI	none	Score	198
Exons	1535..1858		
Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o5.tm	Method	TBLASTX:Maize
Start	2168	End	2569
GI	none	Score	239
Exons	2168..2569		
Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o5.tw	Method	TBLASTX:Wheat
Start	2450	End	2827
GI	none	Score	262
Exons	2450..2827		
Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o1.tm	Method	TBLASTX:Maize
Start	7519	End	8432
GI	none	Score	246
Exons	7519..7986, 7550..7987, 8097..8432, 8098..8418		
Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o6.tw	Method	TBLASTX:Wheat
Start	7519	End	7773
GI	none	Score	81

Exons 7519..7773, 7556..7771

Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o1.ts	Method	TBLASTX:Soybean
Start	7576	End	8891
GI	none	Score	216
Exons	7576..7989, 7697..7987, 8094..8426, 8098..8424, 8443..8538, 8502..8537, 8787..8891		

Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o1.tc	Method	TBLASTX:Cress
Start	7615	End	7989
GI	none	Score	239
Exons	7615..7989, 7694..7987		

Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o2.tc	Method	TBLASTX:Cress
Start	8235	End	8558
GI	none	Score	60
Exons	8235..8432, 8236..8433, 8451..8558		

Seq. No.	22817	Seq. ID	OJ990915_02.9A18.C17
Gene No.	47458	Strand	-
Start	13157	End	14354
Name	OJ990915_02.9A18.C17.o5.gs	Method	GENSCAN
Start	13157	End	14354
GI	none	Score	.83
Exons	13157..13377, 13565..13693, 14289..14354		

Seq. No.	22818	Seq. ID	OJ990915_02.9A18.C18
Gene No.	47459	Strand	+
Start	2314	End	6958
Name	OJ990915_02.9A18.C18.o1.gs	Method	GENSCAN
Start	2314	End	6958
GI	none	Score	.51
Exons	2314..2380, 6123..6252, 6394..6958		

Seq. No.	22818	Seq. ID	OJ990915_02.9A18.C18
Gene No.	47459	Strand	+
Start	2314	End	6958
Name	OJ990915_02.9A18.C18.o1.np	Method	AAT/NAP
Start	5427	End	6955
GI	4678374	Score	455
Exons	5427..5541, 6123..6252, 6361..6598, 6646..6955		
GI Descrip.	(AL049656) myb-like protein [Arabidopsis thaliana]		

Seq. No.	22818	Seq. ID	OJ990915_02.9A18.C18
Gene No.	47460	Strand	+
Start	9416	End	13032
Name	OJ990915_02.9A18.C18.o1.tc	Method	TBLASTX:Cress
Start	5430	End	6478

GI none Score 102
Exons 5430..5543, 6110..6250, 6118..6255, 6119..6253, 6341..6478, 6358..6429

Seq. No. 22818 Seq. ID OJ990915_02.9A18.C18
Gene No. 47460 Strand +
Start 9416 End 13032
Name OJ990915_02.9A18.C18.o1.tm Method TBLASTX:Maize
Start 5430 End 6463
GI none Score 102
Exons 5430..5543, 6118..6255, 6119..6253, 6341..6463, 6358..6435

Seq. No. 22818 Seq. ID OJ990915_02.9A18.C18
Gene No. 47460 Strand +
Start 9416 End 13032
Name OJ990915_02.9A18.C18.o1.tw Method TBLASTX:Wheat
Start 5430 End 6439
GI none Score 102
Exons 5430..5543, 6118..6255, 6119..6253, 6139..6255, 6358..6435, 6359..6439

Seq. No. 22818 Seq. ID OJ990915_02.9A18.C18
Gene No. 47460 Strand +
Start 9416 End 13032
Name OJ990915_02.9A18.C18.o1.ts Method TBLASTX:Soybean
Start 5439 End 6439
GI none Score 100
Exons 5439..5543, 6118..6255, 6119..6253, 6346..6438, 6359..6439

Seq. No. 22818 Seq. ID OJ990915_02.9A18.C18
Gene No. 47460 Strand +
Start 9416 End 13032
Name OJ990915_02.9A18.C18.o2.gs Method GENSCAN
Start 9416 End 12939
GI none Score .69
Exons 9416..9858, 12349..12472, 12719..12787, 12897..12939

Seq. No. 22818 Seq. ID OJ990915_02.9A18.C18
Gene No. 47460 Strand +
Start 9416 End 13032
Name OJ990915_02.9A18.C18.o1.gp Method AAT/GAP
Start 12497 End 12939
GI 29537_1.R1084 Score 363
Exons 12497..12603, 12719..12787, 12897..12939
GI Descrip. '4586031/gb|AAD25649.1|AC007109_7 4.0e-24 (AC007109) unknown protein [Arabidopsis thaliana]'

Seq. No. 22818 Seq. ID OJ990915_02.9A18.C18
Gene No. 47460 Strand +
Start 9416 End 13032
Name OJ990915_02.9A18.C18.o2.np Method AAT/NAP
Start 12734 End 13032
GI 4586031 Score 104
Exons 12734..12787, 12897..13032
GI Descrip. (AC007109) unknown protein [Arabidopsis thaliana]

Seq. No. 22819 Seq. ID OJ990915_02.9A18.C19

Gene No.	47461	Strand	+
Start	170	End	350
Name	OJ990915_02.9A18.C19.o1.np	Method	AAT/NAP
Start	170	End	350
GI	4586031	Score	106
Exons	170..350		
GI Descrip.	(AC007109) unknown protein [Arabidopsis thaliana]		

Seq. No.	22819	Seq. ID	OJ990915_02.9A18.C19
Gene No.	47462	Strand	+
Start	253	End	508
Name	OJ990915_02.9A18.C19.o1.gp	Method	AAT/GAP
Start	253	End	508
GI	29537_1.R1084	Score	468
Exons	253..508		
GI Descrip.	'4586031/gb AAD25649.1 AC007109_7 4.0e-24 (AC007109) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22819	Seq. ID	OJ990915_02.9A18.C19
Gene No.	47463	Strand	-
Start	807	End	4166
Name	OJ990915_02.9A18.C19.o1.gs	Method	GENSCAN
Start	807	End	4166
GI	none	Score	.78
Exons	807..941, 1758..1817, 1994..2245, 2561..2745, 2917..2998, 3204..3371, 3496..3875, 4007..4166		

Seq. No.	22819	Seq. ID	OJ990915_02.9A18.C19
Gene No.	47463	Strand	-
Start	807	End	4166
Name	OJ990915_02.9A18.C19.o2.gp	Method	AAT/GAP
Start	1376	End	1845
GI	none	Score	912
Exons	1376..1845		

Seq. No.	22819	Seq. ID	OJ990915_02.9A18.C19
Gene No.	47463	Strand	-
Start	807	End	4166
Name	OJ990915_02.9A18.C19.o2.tm	Method	TBLASTX:Maize
Start	1819	End	2338
GI	none	Score	36
Exons	1819..1851, 1823..1852, 1877..1930, 1907..1963, 1908..1982, 1966..2235, 1967..2233, 2051..2245, 2231..2338, 2232..2336		

Seq. No.	22819	Seq. ID	OJ990915_02.9A18.C19
Gene No.	47463	Strand	-
Start	807	End	4166
Name	OJ990915_02.9A18.C19.o3.gp	Method	AAT/GAP
Start	1938	End	2518
GI	none	Score	873
Exons	1938..2518		

Seq. No.	22819	Seq. ID	OJ990915_02.9A18.C19
Gene No.	47463	Strand	-
Start	807	End	4166
Name	OJ990915_02.9A18.C19.o2.np	Method	AAT/NAP
Start	2042	End	3376

GI 3831441 Score 83
 Exons 2042..2277, 2644..2767, 3204..3376
 GI Descrip. (AC005819) hypothetical protein [Arabidopsis thaliana]

Seq. No. 22819 Seq. ID OJ990915_02.9A18.C19
 Gene No. 47463 Strand -
 Start 807 End 4166
 Name OJ990915_02.9A18.C19.o4.tm Method TBLASTX:Maize
 Start 2344 End 2525
 GI none Score 157
 Exons 2344..2520, 2348..2524, 2352..2522, 2352..2525

Seq. No. 22819 Seq. ID OJ990915_02.9A18.C19
 Gene No. 47463 Strand -
 Start 807 End 4166
 Name OJ990915_02.9A18.C19.o3.tm Method TBLASTX:Maize
 Start 2527 End 2809
 GI none Score 265
 Exons 2527..2802, 2528..2809, 2534..2809

Seq. No. 22819 Seq. ID OJ990915_02.9A18.C19
 Gene No. 47463 Strand -
 Start 807 End 4166
 Name OJ990915_02.9A18.C19.o4.gp Method AAT/GAP
 Start 2660 End 3345
 GI none Score 699
 Exons 2660..2817, 2917..2998, 3204..3345

Seq. No. 22819 Seq. ID OJ990915_02.9A18.C19
 Gene No. 47463 Strand -
 Start 807 End 4166
 Name OJ990915_02.9A18.C19.o1.tm Method TBLASTX:Maize
 Start 3189 End 4148
 GI none Score 109
 Exons 3189..3317, 3204..3317, 3318..3383, 3318..3371, 3319..3372, 3326..3382, 3493..3630, 3494..3628, 3526..3630, 3710..3877, 3715..3876, 4008..4148, 4009..4095, 4011..4109

Seq. No. 22819 Seq. ID OJ990915_02.9A18.C19
 Gene No. 47463 Strand -
 Start 807 End 4166
 Name OJ990915_02.9A18.C19.o1.ts Method TBLASTX:Soybean
 Start 3198 End 3766
 GI none Score 126
 Exons 3198..3371, 3204..3398, 3493..3630, 3494..3628, 3710..3766, 3715..3765

Seq. No. 22819 Seq. ID OJ990915_02.9A18.C19
 Gene No. 47463 Strand -
 Start 807 End 4166
 Name OJ990915_02.9A18.C19.o1.tw Method TBLASTX:Wheat
 Start 3493 End 3784
 GI none Score 133
 Exons 3493..3630, 3503..3628, 3526..3630, 3710..3784, 3718..3783

Seq. No. 22820 Seq. ID OJ990915_02.9A18.C20
 Gene No. 47464 Strand +

Start	3006	End	5333
Name	OJ990915_02.9A18.C20.o2.gs	Method	GENSCAN
Start	3006	End	5333
GI	none	Score	.72
Exons	3006..3127, 4940..5333		
Seq. No.	22820	Seq. ID	OJ990915_02.9A18.C20
Gene No.	47465	Strand	-
Start	212	End	3007
Name	OJ990915_02.9A18.C20.o1.gs	Method	GENSCAN
Start	212	End	1755
GI	none	Score	.46
Exons	212..353, 557..633, 1660..1755		
Seq. No.	22820	Seq. ID	OJ990915_02.9A18.C20
Gene No.	47465	Strand	-
Start	212	End	3007
Name	OJ990915_02.9A18.C20.o1.np	Method	AAT/NAP
Start	1380	End	3007
GI	1707980	Score	319
Exons	1380..1471, 1660..1758, 2294..2382, 2952..3007		
GI Descrip.	GLUTAREDOXIN gi 1084458 pir S41736 glutaredoxin thioltransferase - Rice gi 485953 emb CAA54397 (X77150) glutaredoxin [Oryza sativa]		
Seq. No.	22820	Seq. ID	OJ990915_02.9A18.C20
Gene No.	47466	Strand	-
Start	2952	End	3039
Name	OJ990915_02.9A18.C20.o1.gp	Method	AAT/GAP
Start	2952	End	3039
GI	3106867	Score	175
Exons	2952..3039		
Seq. No.	22821	Seq. ID	OJ990825_02.9A29.C2
Gene No.	47467	Strand	-
Start	803	End	1163
Name	OJ990825_02.9A29.C2.o1.gs	Method	GENSCAN
Start	803	End	1163
GI	none	Score	.48
Exons	803..1163		
Seq. No.	22821	Seq. ID	OJ990825_02.9A29.C2
Gene No.	47468	Strand	-
Start	2630	End	2928
Name	OJ990825_02.9A29.C2.o2.gs	Method	GENSCAN
Start	2630	End	2928
GI	none	Score	.93
Exons	2630..2657, 2710..2928		
Seq. No.	22822	Seq. ID	OJ990825_02.9A29.C3
Gene No.	47469	Strand	-
Start	1	End	1317
Name	OJ990825_02.9A29.C3.o1.np	Method	AAT/NAP
Start	1	End	1317
GI	6907088	Score	772
Exons	1..282, 769..1005, 1180..1317		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22822	Seq. ID	OJ990825_02.9A29.C3
Gene No.	47469	Strand	-
Start	1	End	1317
Name	OJ990825_02.9A29.C3.ol.gp	Method	AAT/GAP
Start	317	End	508
GI	5667165	Score	348
Exons	317..508		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	22823	Seq. ID	OJ990825_02.9A29.C4
Gene No.	47470	Strand	+
Start	70	End	2014
Name	OJ990825_02.9A29.C4.ol.gs	Method	GENSCAN
Start	70	End	2014
GI	none	Score	.41
Exons	70..435, 681..752, 1454..1569, 1942..2014		

Seq. No.	22824	Seq. ID	OJ990825_02.9A29.C5
Gene No.	47471	Strand	+
Start	27	End	548
Name	OJ990825_02.9A29.C5.ol.gs	Method	GENSCAN
Start	27	End	548
GI	none	Score	1
Exons	27..548		

Seq. No.	22824	Seq. ID	OJ990825_02.9A29.C5
Gene No.	47472	Strand	+
Start	2720	End	3543
Name	OJ990825_02.9A29.C5.ol.ts	Method	TBLASTX:Soybean
Start	294	End	3334
GI	none	Score	48
Exons	294..434, 426..542, 2873..3091, 2878..3057, 3257..3334		

Seq. No.	22824	Seq. ID	OJ990825_02.9A29.C5
Gene No.	47472	Strand	+
Start	2720	End	3543
Name	OJ990825_02.9A29.C5.o2.gs	Method	GENSCAN
Start	2720	End	3469
GI	none	Score	.6
Exons	2720..3469		

Seq. No.	22824	Seq. ID	OJ990825_02.9A29.C5
Gene No.	47472	Strand	+
Start	2720	End	3543
Name	OJ990825_02.9A29.C5.ol.np	Method	AAT/NAP
Start	2882	End	3543
GI	3548810	Score	256
Exons	2882..3543		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	22824	Seq. ID	OJ990825_02.9A29.C5
Gene No.	47472	Strand	+
Start	2720	End	3543
Name	OJ990825_02.9A29.C5.ol.tc	Method	TBLASTX:Cress

Start 2882
GI none
Exons 2882..3124

End 3124
Score 181

Seq. No. 22825
Gene No. 47473
Start 1
Name OJ990825_02.9A29.C7.o1.np
Start 1
GI 6907086
Exons 1..198, 227..367
GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. ID OJ990825_02.9A29.C7
Strand -
End 367
Method AAT/NAP
End 367
Score 177

Seq. No. 22825
Gene No. 47473
Start 1
Name OJ990825_02.9A29.C7.o1.gs
Start 92
GI none
Exons 92..328

Seq. ID OJ990825_02.9A29.C7
Strand -
End 367
Method GENSCAN
End 328
Score .94

Seq. No. 22826
Gene No. 47474
Start 102
Name OJ990825_02.9A29.C10.o1.gp
Start 102
GI 78721_1.R1084
Exons 102..179, 563..890
GI Descrip. '4038034 2.0e-40 (AC005936) unknown protein [Arabidopsis thaliana]'

Seq. ID OJ990825_02.9A29.C10
Strand +
End 890
Method AAT/GAP
End 890
Score 771

Seq. No. 22826
Gene No. 47474
Start 102
Name OJ990825_02.9A29.C10.o1.np
Start 102
GI 4038034
Exons 102..179, 563..652
GI Descrip. (AC005936) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990825_02.9A29.C10
Strand +
End 890
Method AAT/NAP
End 652
Score 193

Seq. No. 22826
Gene No. 47475
Start 630
Name OJ990825_02.9A29.C10.o1.tm
Start 94
GI none
Exons 94..174, 96..182, 101..181, 554..655, 562..642, 563..658, 698..721, 698..730, 712..777, 720..800, 722..787

Seq. ID OJ990825_02.9A29.C10
Strand -
End 966
Method TBLASTX:Maize
End 800
Score 130

Seq. No. 22826
Gene No. 47475
Start 630
Name OJ990825_02.9A29.C10.o1.gs
Start 630
GI none
Exons 630..662, 949..966

Seq. ID OJ990825_02.9A29.C10
Strand -
End 966
Method GENSCAN
End 966
Score .44

Seq. No.	22827	Seq. ID	OJ990825_02.9A29.C11
Gene No.	47476	Strand	+
Start	1	End	1096
Name	OJ990825_02.9A29.C11.ol.np	Method	AAT/NAP
Start	1	End	1096
GI	3080420	Score	415
Exons	1..22, 603..797, 896..1096		
GI Descrip.	(AL022604) putative sugar transporter protein [Arabidopsis thaliana]		

Seq. No.	22827	Seq. ID	OJ990825_02.9A29.C11
Gene No.	47476	Strand	+
Start	1	End	1096
Name	OJ990825_02.9A29.C11.ol.tm	Method	TBLASTX:Maize
Start	603	End	1096
GI	none	Score	41
Exons	603..620, 606..797, 607..798, 607..798, 609..800, 734..808, 893..1081, 894..1091, 972..1082, 1075..1095, 1076..1096		

Seq. No.	22827	Seq. ID	OJ990825_02.9A29.C11
Gene No.	47476	Strand	+
Start	1	End	1096
Name	OJ990825_02.9A29.C11.ol.tc	Method	TBLASTX:Cress
Start	606	End	1082
GI	none	Score	43
Exons	606..653, 606..797, 607..798, 607..801, 705..800, 893..1048, 978..1049, 1053..1082		

Seq. No.	22827	Seq. ID	OJ990825_02.9A29.C11
Gene No.	47476	Strand	+
Start	1	End	1096
Name	OJ990825_02.9A29.C11.ol.ts	Method	TBLASTX:Soybean
Start	606	End	1082
GI	none	Score	165
Exons	606..797, 607..798, 911..1081, 972..1082		

Seq. No.	22827	Seq. ID	OJ990825_02.9A29.C11
Gene No.	47476	Strand	+
Start	1	End	1096
Name	OJ990825_02.9A29.C11.ol.gp	Method	AAT/GAP
Start	608	End	927
GI	28066_1.R1084	Score	376
Exons	608..797, 896..927		
GI Descrip.	'3080420/emb CAA18739.1 6.0e-97 (AL022604) putative sugar transporter protein [Arabidopsis thaliana]'		

Seq. No.	22827	Seq. ID	OJ990825_02.9A29.C11
Gene No.	47476	Strand	+
Start	1	End	1096
Name	OJ990825_02.9A29.C11.ol.gs	Method	GENSCAN
Start	610	End	797
GI	none	Score	.7
Exons	610..797		

Seq. No.	22828	Seq. ID	OJ990825_02.9A29.C12
Gene No.	47477	Strand	-
Start	40	End	212

Name OJ990825_02.9A29.C12.o1.gs
 Start 40
 GI none
 Exons 40..212

Method GENSCAN
 End 212
 Score .84

Seq. No. 22829
 Gene No. 47478
 Start 27
 Name OJ990825_02.9A29.C13.o1.gs
 Start 27
 GI none
 Exons 27..218

Seq. ID OJ990825_02.9A29.C13
 Strand +
 End 218
 Method GENSCAN
 End 218
 Score .99

Seq. No. 22829
 Gene No. 47479
 Start 705
 Name OJ990825_02.9A29.C13.o2.gs
 Start 705
 GI none
 Exons 705..728, 1042..1107

Seq. ID OJ990825_02.9A29.C13
 Strand -
 End 1107
 Method GENSCAN
 End 1107
 Score .73

Seq. No. 22830
 Gene No. 47480
 Start 1
 Name OJ990825_02.9A29.C14.o1.gp
 Start 1
 GI none
 Exons 1..254

Seq. ID OJ990825_02.9A29.C14
 Strand -
 End 1014
 Method AAT/GAP
 End 254
 Score 499

Seq. No. 22830
 Gene No. 47480
 Start 1
 Name OJ990825_02.9A29.C14.o1.gs
 Start 14
 GI none
 Exons 14..553, 970..1014

Seq. ID OJ990825_02.9A29.C14
 Strand -
 End 1014
 Method GENSCAN
 End 1014
 Score .94

Seq. No. 22830
 Gene No. 47481
 Start 923
 Name OJ990825_02.9A29.C14.o1.np
 Start 923
 GI 6686403
 Exons 923..1145

Seq. ID OJ990825_02.9A29.C14
 Strand -
 End 1145
 Method AAT/NAP
 End 1145
 Score 105

GI Descrip. (AC007234) F1E22.14 [Arabidopsis thaliana]

Seq. No. 22830
 Gene No. 47481
 Start 923
 Name OJ990825_02.9A29.C14.o1.tm
 Start 1000
 GI none
 Exons 1000..1143, 1004..1144, 1006..1143

Seq. ID OJ990825_02.9A29.C14
 Strand -
 End 1145
 Method TBLASTX:Maize
 End 1144
 Score 161

Seq. No. 22831
 Gene No. 47482
 Start 1349

Seq. ID OJ990825_02.9A29.C15
 Strand +
 End 1566

Name OJ990825_02.9A29.C15.o1.gs
 Start 1349
 GI none
 Exons 1349..1566

Method GENSCAN
 End 1566
 Score .95

Seq. No. 22831
 Gene No. 47483
 Start 2366
 Name OJ990825_02.9A29.C15.o2.gs
 Start 2366
 GI none
 Exons 2366..2689

Seq. ID OJ990825_02.9A29.C15
 Strand -
 End 2689
 Method GENSCAN
 End 2689
 Score .9

Seq. No. 22831
 Gene No. 47484
 Start 3840
 Name OJ990825_02.9A29.C15.o3.gs
 Start 3840
 GI none
 Exons 3840..4039, 4980..5091

Seq. ID OJ990825_02.9A29.C15
 Strand -
 End 5091
 Method GENSCAN
 End 5091
 Score .92

Seq. No. 22832
 Gene No. 47485
 Start 39
 Name OJ990825_02.9A29.C16.o1.gs
 Start 39
 GI none
 Exons 39..659

Seq. ID OJ990825_02.9A29.C16
 Strand +
 End 659
 Method GENSCAN
 End 659
 Score 1

Seq. No. 22833
 Gene No. 47486
 Start 63
 Name OJ990825_02.9A29.C17.o1.gs
 Start 63
 GI none
 Exons 63..71, 360..528, 592..704

Seq. ID OJ990825_02.9A29.C17
 Strand +
 End 704
 Method GENSCAN
 End 704
 Score .98

Seq. No. 22833
 Gene No. 47487
 Start 4888
 Name OJ990825_02.9A29.C17.o2.gp
 Start 4888
 GI none
 Exons 4888..5448

Seq. ID OJ990825_02.9A29.C17
 Strand +
 End 5448
 Method AAT/GAP
 End 5448
 Score 1066

Seq. No. 22833
 Gene No. 47488
 Start 13169
 Name OJ990825_02.9A29.C17.o3.gp
 Start 13117
 GI 666_5.R1084
 Exons 13117..13645

Seq. ID OJ990825_02.9A29.C17
 Strand +
 End 13645
 Method AAT/GAP
 End 13645
 Score 1028

GI Descrip. '122106/sp|P02308|H4_WHEAT 2.0e-39 HISTONE H4
 >gi_70771_pir_HSZM4 histone H4 - maize >gi_81642_pir_S06904
 histone H4 - Arabidopsis thaliana >gi_2119028_pir_S60475
 histone H4 - garden pea >gi_21795_emb_CAA24924_(X00043) histone
 H4 [Triticum aestivum] >gi_166740 (M17132) histone H4

[Arabidopsis thaliana] >gi_166742 (M17133) histone H4
 [Arabidopsis thaliana] >gi_168499 (M36659) histon'

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47488	Strand	+
Start	13169	End	13645
Name	OJ990825_02.9A29.C17.o3.np	Method	AAT/NAP
Start	13124	End	13477
GI	1326372	Score	518
Exons	13124..13477		
GI Descrip.	(U58750) Similar to Histone. [Caenorhabditis elegans]		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47488	Strand	+
Start	13169	End	13645
Name	OJ990825_02.9A29.C17.o4.gs	Method	GENSCAN
Start	13169	End	13480
GI	none	Score	1
Exons	13169..13480		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47489	Strand	+
Start	15054	End	15264
Name	OJ990825_02.9A29.C17.o4.np	Method	AAT/NAP
Start	15054	End	15264
GI	6714417	Score	204
Exons	15054..15264		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47490	Strand	-
Start	780	End	5709
Name	OJ990825_02.9A29.C17.o1.gp	Method	AAT/GAP
Start	780	End	4813
GI	465_1.R1084	Score	3684
Exons	780..1214, 1784..2005, 2307..2470, 3107..3222, 3400..3552, 3635..3778, 4111..4813		
GI Descrip.	'1705733/sp P53682 CDP1_ORYSA 0.0e+00 CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM 1 (CDPK1) >gi_542156_pir_JC1515 calcium-dependent protein kinase (EC 2.7.1.-) - rice >gi_435466_dbj_BAA02698_ (D13436) calcium-dependent protein kinase [Oryza sativa]'		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47490	Strand	-
Start	780	End	5709
Name	OJ990825_02.9A29.C17.o2.gs	Method	GENSCAN
Start	1092	End	5709
GI	none	Score	.8
Exons	1092..1214, 1784..2016, 2377..2470, 3107..3222, 3400..3552, 3635..3778, 4111..4810, 5391..5482, 5574..5709		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47490	Strand	-
Start	780	End	5709
Name	OJ990825_02.9A29.C17.o1.np	Method	AAT/NAP
Start	1095	End	4791

GI 1705733 Score 2563
 Exons 1095..1214, 1784..2005, 2307..2470, 3107..3222, 3400..3552, 3635..3778, 4111..4791
 GI Descrip. CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM 1 (CDPK 1)
 gi|542156|pir||JC1515 calcium-dependent protein kinase (EC 2.7.1.-) - rice gi|435466|dbj|BAA02698| (D13436)
 calcium-dependent protein kinase [Oryza sativa]

Seq. No. 22833 Seq. ID OJ990825_02.9A29.C17
 Gene No. 47491 Strand -
 Start 8704 End 13217
 Name OJ990825_02.9A29.C17.o3.gs Method GENSCAN
 Start 8704 End 12541
 GI none Score .69
 Exons 8704..8855, 11848..12011, 12037..12366, 12390..12541

Seq. No. 22833 Seq. ID OJ990825_02.9A29.C17
 Gene No. 47491 Strand -
 Start 8704 End 13217
 Name OJ990825_02.9A29.C17.o2.np Method AAT/NAP
 Start 10322 End 13217
 GI 3874266 Score 245
 Exons 10322..10386, 11901..12418, 13137..13217
 GI Descrip. (Z74027) Similarity to Rabbit protein phosphatase PP24A0 B' subunit (TR:G1022890); cDNA EST EMBL:Z14448 comes from this gene; cDNA EST yk410a5.3 comes from this gene; cDNA EST yk410a5.5 comes from this gene; cDNA EST yk422f10...

Seq. No. 22833 Seq. ID OJ990825_02.9A29.C17
 Gene No. 47492 Strand -
 Start 14538 End 15112
 Name OJ990825_02.9A29.C17.o1.tm Method TBLASTX:Maize
 Start 1092 End 4597
 GI none Score 73
 Exons 1092..1214, 1105..1215, 1782..2000, 1784..1999, 2307..2366, 2322..2468, 2366..2521, 3104..3220, 3112..3222, 3120..3218, 3395..3550, 3401..3553, 3402..3560, 3405..3581, 3635..3778, 3636..3785, 3637..3786, 4109..4597, 4110..4535, 4118..4582

Seq. No. 22833 Seq. ID OJ990825_02.9A29.C17
 Gene No. 47492 Strand -
 Start 14538 End 15112
 Name OJ990825_02.9A29.C17.o5.tw Method TBLASTX:Wheat
 Start 1096 End 2000
 GI none Score 64
 Exons 1096..1215, 1107..1214, 1782..2000, 1784..1999

Seq. No. 22833 Seq. ID OJ990825_02.9A29.C17
 Gene No. 47492 Strand -
 Start 14538 End 15112
 Name OJ990825_02.9A29.C17.o1.ts Method TBLASTX:Soybean
 Start 1104 End 4612
 GI none Score 83
 Exons 1104..1214, 1105..1215, 1782..2015, 1784..1999, 2322..2468, 2363..2470, 2366..2476, 3104..3220, 3105..3218, 3382..3537, 3395..3547, 3401..3553, 3414..3584, 3635..3784, 3636..3785, 3637..3786, 4109..4612, 4109..4612

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o1.tc	Method	TBLASTX:Cress
Start	1110	End	4612
GI	none	Score	77
Exons	1110..1214, 1111..1215, 1782..2015, 1784..1999, 2307..2366, 2366..2476, 2367..2468, 3104..3220, 3105..3218, 3395..3550, 3401..3553, 3405..3581, 3635..3754, 3636..3785, 3637..3786, 4101..4535, 4109..4612, 4112..4612		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o3.tw	Method	TBLASTX:Wheat
Start	3401	End	4154
GI	none	Score	105
Exons	3401..3553, 3636..3785, 3637..3759, 4092..4154, 4109..4153		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o2.tw	Method	TBLASTX:Wheat
Start	4160	End	4454
GI	none	Score	203
Exons	4160..4447, 4182..4418, 4188..4454		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o3.tc	Method	TBLASTX:Cress
Start	11939	End	12407
GI	none	Score	102
Exons	11939..11971, 12000..12170, 12046..12171, 12180..12407		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o3.ts	Method	TBLASTX:Soybean
Start	11939	End	12338
GI	none	Score	40
Exons	11939..11971, 11940..11975, 12000..12170, 12019..12171, 12180..12338		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o3.tm	Method	TBLASTX:Maize
Start	12000	End	12374
GI	none	Score	116
Exons	12000..12170, 12001..12174, 12180..12374		

Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o4.tw	Method	TBLASTX:Wheat

Start	12000	End	12299
GI	none	Score	131
Exons	12000..12170, 12001..12174, 12180..12299		
Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o2.tm	Method	TBLASTX:Maize
Start	13145	End	13482
GI	none	Score	418
Exons	13145..13333, 13214..13465, 13231..13482, 13405..13479		
Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o1.tw	Method	TBLASTX:Wheat
Start	13166	End	13494
GI	none	Score	418
Exons	13166..13333, 13214..13465, 13228..13476, 13405..13494		
Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o2.tc	Method	TBLASTX:Cress
Start	13169	End	13482
GI	none	Score	418
Exons	13169..13324, 13213..13482, 13214..13465		
Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o2.ts	Method	TBLASTX:Soybean
Start	13169	End	13548
GI	none	Score	418
Exons	13169..13333, 13213..13548, 13214..13465, 13405..13479		
Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47492	Strand	-
Start	14538	End	15112
Name	OJ990825_02.9A29.C17.o5.gs	Method	GENSCAN
Start	14538	End	15112
GI	none	Score	.9
Exons	14538..14631, 14961..15112		
Seq. No.	22833	Seq. ID	OJ990825_02.9A29.C17
Gene No.	47493	Strand	-
Start	15039	End	15194
Name	OJ990825_02.9A29.C17.o4.tm	Method	TBLASTX:Maize
Start	15039	End	15194
GI	none	Score	165
Exons	15039..15191, 15044..15193, 15048..15194		
Seq. No.	22834	Seq. ID	OJ990825_02.9A29.C18
Gene No.	47494	Strand	+
Start	1	End	2133
Name	OJ990825_02.9A29.C18.o1.np	Method	AAT/NAP
Start	1	End	488

GI 6714417 Score 331
 Exons 1..488
 GI Descrip. (AC012328) unknown protein [Arabidopsis thaliana]

Seq. No. 22834 Seq. ID OJ990825_02.9A29.C18
 Gene No. 47494 Strand +
 Start 1 End 2133
 Name OJ990825_02.9A29.C18.o1.gs Method GENSCAN
 Start 102 End 491
 GI none Score .75
 Exons 102..491

Seq. No. 22834 Seq. ID OJ990825_02.9A29.C18
 Gene No. 47494 Strand +
 Start 1 End 2133
 Name OJ990825_02.9A29.C18.o1.ts Method TBLASTX:Soybean
 Start 318 End 491
 GI none Score 195
 Exons 318..491, 332..475, 351..485

Seq. No. 22834 Seq. ID OJ990825_02.9A29.C18
 Gene No. 47494 Strand +
 Start 1 End 2133
 Name OJ990825_02.9A29.C18.o1.tm Method TBLASTX:Maize
 Start 341 End 759
 GI none Score 233
 Exons 341..499, 342..500, 342..506, 343..501, 498..545, 525..626, 536..625, 646..693, 700..759

Seq. No. 22834 Seq. ID OJ990825_02.9A29.C18
 Gene No. 47494 Strand +
 Start 1 End 2133
 Name OJ990825_02.9A29.C18.o1.tw Method TBLASTX:Wheat
 Start 402 End 2133
 GI none Score 136
 Exons 402..491, 404..493, 405..497, 488..688, 497..688, 499..693, 499..690, 685..744, 700..750, 702..779, 2039..2071, 2083..2133, 2083..2127

Seq. No. 22835 Seq. ID OJ990825_02.9A29.C20
 Gene No. 47495 Strand -
 Start 300 End 707
 Name OJ990825_02.9A29.C20.o1.gs Method GENSCAN
 Start 300 End 707
 GI none Score .9
 Exons 300..707

Seq. No. 22836 Seq. ID OJ990825_02.9A29.C22
 Gene No. 47496 Strand -
 Start 127 End 215
 Name OJ990825_02.9A29.C22.o1.gs Method GENSCAN
 Start 127 End 215
 GI none Score .97
 Exons 127..215

Seq. No. 22837 Seq. ID OJ990825_02.9A29.C23
 Gene No. 47497 Strand -

Start 424
 Name OJ990825_02.9A29.C23.o1.gs
 Start 424
 GI none
 Exons 424..564, 646..781

End 781
 Method GENSCAN
 End 781
 Score .78

Seq. No. 22838
 Gene No. 47498
 Start 1
 Name OJ990825_02.9A29.C25.o1.gp
 Start 1
 GI none
 Exons 1..317, 2922..2978

Seq. ID OJ990825_02.9A29.C25
 Strand +
 End 2978
 Method AAT/GAP
 End 2978
 Score 654

Seq. No. 22838
 Gene No. 47498
 Start 1
 Name OJ990825_02.9A29.C25.o1.gs
 Start 183
 GI none
 Exons 183..317, 761..830, 1614..1754, 2304..2522, 2851..2978

Seq. ID OJ990825_02.9A29.C25
 Strand +
 End 2978
 Method GENSCAN
 End 2978
 Score .54

Seq. No. 22839
 Gene No. 47499
 Start 23
 Name OJ990825_02.9A29.C26.o1.gs
 Start 23
 GI none
 Exons 23..379, 472..758

Seq. ID OJ990825_02.9A29.C26
 Strand +
 End 758
 Method GENSCAN
 End 758
 Score .43

Seq. No. 22840
 Gene No. 47500
 Start 196
 Name OJ990825_02.9A29.C27.o2.np
 Start 196
 GI 3548810
 Exons 196..237, 1501..2538

Seq. ID OJ990825_02.9A29.C27
 Strand +
 End 3776
 Method AAT/NAP
 End 2538
 Score 372

GI Descrip. (AC005313) putative chloroplast nucleoid DNA binding protein
 [Arabidopsis thaliana]

Seq. No. 22840
 Gene No. 47500
 Start 196
 Name OJ990825_02.9A29.C27.o3.np
 Start 635
 GI 5852172
 Exons 635..725, 3643..3776

Seq. ID OJ990825_02.9A29.C27
 Strand +
 End 3776
 Method AAT/NAP
 End 3776
 Score 111

GI Descrip. (AL117265) zhb0002.1 [Oryza sativa]

Seq. No. 22840
 Gene No. 47500
 Start 196
 Name OJ990825_02.9A29.C27.o2.gs
 Start 1360
 GI none
 Exons 1360..2544

Seq. ID OJ990825_02.9A29.C27
 Strand +
 End 3776
 Method GENSCAN
 End 2544
 Score 1

Seq. No. 22840
Gene No. 47500
Start 196
Name OJ990825_02.9A29.C27.o1.gp
Start 1881
GI none
Exons 1881..2233

Seq. ID OJ990825_02.9A29.C27
Strand +
End 3776
Method AAT/GAP
End 2233
Score 650

Seq. No. 22840
Gene No. 47500
Start 196
Name OJ990825_02.9A29.C27.o2.gp
Start 2384
GI 4714133
Exons 2384..2682

Seq. ID OJ990825_02.9A29.C27
Strand +
End 3776
Method AAT/GAP
End 2682
Score 412

Seq. No. 22840
Gene No. 47501
Start 5156
Name OJ990825_02.9A29.C27.o4.gs
Start 5156
GI none
Exons 5156..5216, 6011..6465

Seq. ID OJ990825_02.9A29.C27
Strand +
End 6465
Method GENSCAN
End 6465
Score .96

Seq. No. 22840
Gene No. 47502
Start 1
Name OJ990825_02.9A29.C27.o1.np
Start 1
GI 6069646
Exons 1..610, 893..1008, 5549..5585

Seq. ID OJ990825_02.9A29.C27
Strand -
End 6966
Method AAT/NAP
End 5585
Score 828

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 22840
Gene No. 47502
Start 1
Name OJ990825_02.9A29.C27.o2.tm
Start 128
GI none
Exons 128..448

Seq. ID OJ990825_02.9A29.C27
Strand -
End 6966
Method TBLASTX:Maize
End 448
Score 236

Seq. No. 22840
Gene No. 47502
Start 1
Name OJ990825_02.9A29.C27.o1.tm
Start 671
GI none
Exons 671..853, 673..873, 679..876, 866..1009, 894..983

Seq. ID OJ990825_02.9A29.C27
Strand -
End 6966
Method TBLASTX:Maize
End 1009
Score 110

Seq. No. 22840
Gene No. 47502
Start 1
Name OJ990825_02.9A29.C27.o1.tc

Seq. ID OJ990825_02.9A29.C27
Strand -
End 6966
Method TBLASTX:Cress

Start 1510
GI none
Exons 1510..1764

End 1764
Score 184

Seq. No. 22840
Gene No. 47502
Start 1
Name OJ990825_02.9A29.C27.o1.ts
Start 1510
GI none
Exons 1510..1713, 1527..1682, 1818..2045, 1819..1962, 2281..2427, 2422..2538

Seq. ID OJ990825_02.9A29.C27
Strand -
End 6966
Method TBLASTX:Soybean
End 2538
Score 198

Seq. No. 22840
Gene No. 47502
Start 1
Name OJ990825_02.9A29.C27.o4.np
Start 3321
GI 5777623
Exons 3321..3343, 4908..5151, 5968..6488, 6668..6966
GI Descrip. (AJ245900) CAA303711.1 protein [Oryza sativa]

Seq. ID OJ990825_02.9A29.C27
Strand -
End 6966
Method AAT/NAP
End 6966
Score 1094

Seq. No. 22840
Gene No. 47502
Start 1
Name OJ990825_02.9A29.C27.o3.gp
Start 3773
GI 38782_1.R1084
Exons 3773..4277
GI Descrip. '6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'

Seq. ID OJ990825_02.9A29.C27
Strand -
End 6966
Method AAT/GAP
End 4277
Score 816

Seq. No. 22840
Gene No. 47502
Start 1
Name OJ990825_02.9A29.C27.o3.gs
Start 4069
GI none
Exons 4069..4142, 4550..4559

Seq. ID OJ990825_02.9A29.C27
Strand -
End 6966
Method GENSCAN
End 4559
Score .9

Seq. No. 22841
Gene No. 47503
Start 114
Name OJ990825_02.9A29.C28.o1.gs
Start 114
GI none
Exons 114..123, 383..579

Seq. ID OJ990825_02.9A29.C28
Strand +
End 579
Method GENSCAN
End 579
Score .55

Seq. No. 22841
Gene No. 47504
Start 1162
Name OJ990825_02.9A29.C28.o2.gs
Start 1162
GI none
Exons 1162..2310

Seq. ID OJ990825_02.9A29.C28
Strand +
End 2310
Method GENSCAN
End 2310
Score .67

Seq. No. 22841
Seq. ID OJ990825_02.9A29.C28

Gene No.	47504	Strand	+
Start	1162	End	2310
Name	OJ990825_02.9A29.C28.o2.np	Method	AAT/NAP
Start	1235	End	2298
GI	3548810	Score	275
Exons	1235..2298		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	22841	Seq. ID	OJ990825_02.9A29.C28
Gene No.	47505	Strand	+
Start	5146	End	6405
Name	OJ990825_02.9A29.C28.o3.gs	Method	GENSCAN
Start	5146	End	6405
GI	none	Score	.98
Exons	5146..6405		

Seq. No.	22841	Seq. ID	OJ990825_02.9A29.C28
Gene No.	47505	Strand	+
Start	5146	End	6405
Name	OJ990825_02.9A29.C28.o3.np	Method	AAT/NAP
Start	5354	End	6399
GI	3548810	Score	343
Exons	5354..6239, 6267..6399		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	22841	Seq. ID	OJ990825_02.9A29.C28
Gene No.	47506	Strand	+
Start	8773	End	9397
Name	OJ990825_02.9A29.C28.o1.ts	Method	TBLASTX:Soybean
Start	1249	End	9392
GI	none	Score	59
Exons	1249..1311, 1342..1437, 1609..1698, 2194..2298, 5361..5537, 5362..5553, 5655..5882, 5656..5883, 6034..6183, 6262..6399, 8854..9009, 9019..9135, 9240..9392, 9244..9384		

Seq. No.	22841	Seq. ID	OJ990825_02.9A29.C28
Gene No.	47506	Strand	+
Start	8773	End	9397
Name	OJ990825_02.9A29.C28.o4.gs	Method	GENSCAN
Start	8773	End	9254
GI	none	Score	.75
Exons	8773..9254		

Seq. No.	22841	Seq. ID	OJ990825_02.9A29.C28
Gene No.	47506	Strand	+
Start	8773	End	9397
Name	OJ990825_02.9A29.C28.o5.np	Method	AAT/NAP
Start	8846	End	9397
GI	3548810	Score	212
Exons	8846..9397		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	22842	Seq. ID	OJ990825_02.9A29.C29
Gene No.	47507	Strand	+

Start	453	End	2204
Name	OJ990825_02.9A29.C29.o1.gs	Method	GENSCAN
Start	453	End	2204
GI	none	Score	.51
Exons	453..535, 2127..2204		

Seq. No.	22842	Seq. ID	OJ990825_02.9A29.C29
Gene No.	47508	Strand	-
Start	2447	End	2667
Name	OJ990825_02.9A29.C29.o1.np	Method	AAT/NAP
Start	2447	End	2667
GI	6721559	Score	129
Exons	2447..2574, 2603..2667		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815084 dbj BAA90370.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	22843	Seq. ID	OJ990825_02.9A29.C30
Gene No.	47509	Strand	-
Start	959	End	1728
Name	OJ990825_02.9A29.C30.o1.np	Method	AAT/NAP
Start	959	End	1728
GI	4680183	Score	183
Exons	959..1048, 1658..1728		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22844	Seq. ID	OJ990825_02.9A29.C31
Gene No.	47510	Strand	+
Start	1	End	501
Name	OJ990825_02.9A29.C31.o1.gs	Method	GENSCAN
Start	1	End	501
GI	none	Score	1
Exons	1..501		

Seq. No.	22844	Seq. ID	OJ990825_02.9A29.C31
Gene No.	47511	Strand	+
Start	2082	End	2423
Name	OJ990825_02.9A29.C31.o1.np	Method	AAT/NAP
Start	1007	End	2423
GI	5042418	Score	117
Exons	1007..1088, 2242..2423		
GI Descrip.	(AC006193) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	22844	Seq. ID	OJ990825_02.9A29.C31
Gene No.	47511	Strand	+
Start	2082	End	2423
Name	OJ990825_02.9A29.C31.o2.gs	Method	GENSCAN
Start	2082	End	2328
GI	none	Score	.84
Exons	2082..2328		

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47512	Strand	+
Start	298	End	3499
Name	OJ990825_02.9A29.C33.o1.gs	Method	GENSCAN
Start	298	End	3499
GI	none	Score	.52

Exons 298..411, 638..2682, 2884..3092, 3411..3499

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47512	Strand	+
Start	298	End	3499
Name	OJ990825_02.9A29.C33.o1.np	Method	AAT/NAP
Start	638	End	2683
GI	4455294	Score	1113
Exons	638..2683		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47513	Strand	+
Start	5683	End	5944
Name	OJ990825_02.9A29.C33.o1.tm	Method	TBLASTX:Maize
Start	947	End	2404
GI	none	Score	197
Exons	947..1453, 953..1351, 959..1240, 1099..1191, 1145..1570, 1163..1351, 1253..1660, 1294..1626, 1352..1429, 1385..1555, 1390..1554, 1460..1654, 1556..1639, 1661..1879, 1673..2404, 1685..1843, 1690..2298		

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47513	Strand	+
Start	5683	End	5944
Name	OJ990825_02.9A29.C33.o2.tc	Method	TBLASTX:Cress
Start	947	End	2033
GI	none	Score	60
Exons	947..1021, 953..1249, 959..1240, 1036..1194, 1133..1546, 1244..1324, 1283..1543, 1331..1552, 1370..1645, 1417..1635, 1544..1627, 1658..1849, 1658..1849, 1669..1875, 1691..1834, 1691..1843, 1718..1876, 1847..1966, 1965..2033		

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47513	Strand	+
Start	5683	End	5944
Name	OJ990825_02.9A29.C33.o3.ts	Method	TBLASTX:Soybean
Start	956	End	1876
GI	none	Score	110
Exons	956..1183, 1109..1486, 1396..1488, 1405..1668, 1406..1654, 1691..1786, 1705..1866, 1706..1876, 1739..1867		

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47513	Strand	+
Start	5683	End	5944
Name	OJ990825_02.9A29.C33.o1.tw	Method	TBLASTX:Wheat
Start	1067	End	1987
GI	none	Score	149
Exons	1067..1300, 1084..1203, 1217..1630, 1369..1626, 1520..1657, 1534..1653, 1663..1926, 1673..1987		

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47513	Strand	+
Start	5683	End	5944
Name	OJ990825_02.9A29.C33.o2.ts	Method	TBLASTX:Soybean
Start	1937	End	2305
GI	none	Score	258

Exons 1937..2305, 1975..2298

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47513	Strand	+
Start	5683	End	5944
Name	OJ990825_02.9A29.C33.o1.tc	Method	TBLASTX:Cress
Start	2153	End	2695
GI	none	Score	486
Exons	2153..2692, 2221..2685, 2393..2695		

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47513	Strand	+
Start	5683	End	5944
Name	OJ990825_02.9A29.C33.o1.ts	Method	TBLASTX:Soybean
Start	2309	End	2686
GI	none	Score	380
Exons	2309..2686, 2491..2685		

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47513	Strand	+
Start	5683	End	5944
Name	OJ990825_02.9A29.C33.o2.tm	Method	TBLASTX:Maize
Start	2405	End	2686
GI	none	Score	345
Exons	2405..2686, 2491..2685		

Seq. No.	22845	Seq. ID	OJ990825_02.9A29.C33
Gene No.	47513	Strand	+
Start	5683	End	5944
Name	OJ990825_02.9A29.C33.o1.gp	Method	AAT/GAP
Start	5683	End	5944
GI	uC-osflcyp123e01b1	Score	497
Exons	5683..5944		
GI Descrip.	'2894376/emb Y14573.1 HVCH4H 2.0e-18 Hordeum vulgare DNA for chromosome 4H'		

Seq. No.	22846	Seq. ID	OJ990825_02.9A29.C34
Gene No.	47514	Strand	+
Start	1	End	282
Name	OJ990825_02.9A29.C34.o1.np	Method	AAT/NAP
Start	1	End	237
GI	2894379	Score	215
Exons	1..237		
GI Descrip.	(Y14573) ring finger protein [Hordeum vulgare]		

Seq. No.	22846	Seq. ID	OJ990825_02.9A29.C34
Gene No.	47514	Strand	+
Start	1	End	282
Name	OJ990825_02.9A29.C34.o1.gs	Method	GENSCAN
Start	34	End	282
GI	none	Score	.99
Exons	34..282		

Seq. No.	22846	Seq. ID	OJ990825_02.9A29.C34
Gene No.	47515	Strand	+
Start	1847	End	2537
Name	OJ990825_02.9A29.C34.o2.gs	Method	GENSCAN

Start	1847	End	2537
GI	none	Score	.82
Exons	1847..1988, 2370..2415, 2474..2537		

Seq. No.	22846	Seq. ID	OJ990825_02.9A29.C34
Gene No.	47516	Strand	+
Start	3079	End	3331
Name	OJ990825_02.9A29.C34.o2.gp	Method	AAT/GAP
Start	3079	End	3331
GI	1037098	Score	408
Exons	3079..3331		

Seq. No.	22846	Seq. ID	OJ990825_02.9A29.C34
Gene No.	47517	Strand	-
Start	2387	End	2639
Name	OJ990825_02.9A29.C34.o1.gp	Method	AAT/GAP
Start	2387	End	2639
GI	LIB3431-047-P1-K1-B4	Score	55
Exons	2387..2408, 2586..2639		
GI Descrip.	'5670155/gb AF161269.1 AF161269 2.0e-14 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	22846	Seq. ID	OJ990825_02.9A29.C34
Gene No.	47518	Strand	-
Start	3492	End	3599
Name	OJ990825_02.9A29.C34.o3.gp	Method	AAT/GAP
Start	3492	End	3599
GI	2796346	Score	190
Exons	3492..3599		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o1.np	Method	AAT/NAP
Start	1	End	1358
GI	3080420	Score	1081
Exons	1..197, 322..888, 1280..1358		
GI Descrip.	(AL022604) putative sugar transporter protein [Arabidopsis thaliana]		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o2.tw	Method	TBLASTX:Wheat
Start	1	End	374
GI	none	Score	216
Exons	1..24, 22..201, 28..198, 30..200, 309..374, 320..373		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o1.tm	Method	TBLASTX:Maize
Start	1	End	708
GI	none	Score	204
Exons	1..201, 2..199, 7..234, 309..707, 320..706, 322..708, 322..708		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
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Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o1.tc	Method	TBLASTX:Cress
Start	13	End	1316
GI	none	Score	43
Exons	13..81, 97..195, 140..196, 307..384, 309..833, 321..689, 323..838, 1257..1316		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o1.gs	Method	GENSCAN
Start	47	End	1358
GI	none	Score	.77
Exons	47..197, 550..888, 1280..1358		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o1.ts	Method	TBLASTX:Soybean
Start	157	End	796
GI	none	Score	64
Exons	157..201, 161..202, 307..555, 307..744, 309..791, 320..796		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o1.tw	Method	TBLASTX:Wheat
Start	374	End	604
GI	none	Score	354
Exons	374..604, 375..602		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o1.gp	Method	AAT/GAP
Start	523	End	1725
GI	43708_1:R1084	Score	1176
Exons	523..888, 1280..1376, 1571..1725		
GI Descrip.	'3080420/emb CAA18739.1 7.0e-57 (AL022604) putative sugar transporter protein [Arabidopsis thaliana]'		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o2.tm	Method	TBLASTX:Maize
Start	709	End	1367
GI	none	Score	170
Exons	709..879, 710..898, 711..890, 1257..1316, 1258..1317, 1283..1366, 1293..1367, 1322..1348		

Seq. No.	22847	Seq. ID	OJ990825_02.9A29.C35
Gene No.	47519	Strand	-
Start	1	End	1725
Name	OJ990825_02.9A29.C35.o3.tw	Method	TBLASTX:Wheat
Start	761	End	1376
GI	none	Score	165

Exons 761..898, 765..890, 1257..1373, 1258..1374, 1271..1375,
1278..1376

Seq. No.	22848	Seq. ID	OJ990825_02.9A29.C36
Gene No.	47520	Strand	-
Start	1	End	753
Name	OJ990825_02.9A29.C36.o1.np	Method	AAT/NAP
Start	1	End	753
GI	6686402	Score	366
Exons	1..528, 576..753		
GI Descrip.	(AC007234) F1E22.16 [Arabidopsis thaliana]		

Seq. No.	22848	Seq. ID	OJ990825_02.9A29.C36
Gene No.	47520	Strand	-
Start	1	End	753
Name	OJ990825_02.9A29.C36.o1.tm	Method	TBLASTX:Maize
Start	131	End	352
GI	none	Score	265
Exons	131..349, 132..347, 133..351, 134..352		

Seq. No.	22848	Seq. ID	OJ990825_02.9A29.C36
Gene No.	47520	Strand	-
Start	1	End	753
Name	OJ990825_02.9A29.C36.o1.gs	Method	GENSCAN
Start	132	End	722
GI	none	Score	.83
Exons	132..459, 582..722		

Seq. No.	22848	Seq. ID	OJ990825_02.9A29.C36
Gene No.	47520	Strand	-
Start	1	End	753
Name	OJ990825_02.9A29.C36.o1.ts	Method	TBLASTX:Soybean
Start	164	End	489
GI	none	Score	103
Exons	164..199, 223..489, 236..439, 298..462		

Seq. No.	22849	Seq. ID	OJ990825_02.9A29.C37
Gene No.	47521	Strand	+
Start	1	End	273
Name	OJ990825_02.9A29.C37.o1.np	Method	AAT/NAP
Start	1	End	273
GI	6069659	Score	90
Exons	1..35, 172..273		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	22849	Seq. ID	OJ990825_02.9A29.C37
Gene No.	47522	Strand	-
Start	149	End	243
Name	OJ990825_02.9A29.C37.o1.gs	Method	GENSCAN
Start	149	End	243
GI	none	Score	.9
Exons	149..243		

Seq. No.	22850	Seq. ID	OJ990825_02.9A29.C40
Gene No.	47523	Strand	+
Start	396	End	471
Name	OJ990825_02.9A29.C40.o1.np	Method	AAT/NAP

Start	396	End	471
GI	6630699	Score	88
Exons	396..471		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	22850	Seq. ID	OJ990825_02.9A29.C40
Gene No.	47524	Strand	+
Start	599	End	1022
Name	OJ990825_02.9A29.C40.o2.np	Method	AAT/NAP
Start	599	End	1022
GI	6539570	Score	195
Exons	599..801, 952..1022		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	22850	Seq. ID	OJ990825_02.9A29.C40
Gene No.	47525	Strand	-
Start	608	End	2219
Name	OJ990825_02.9A29.C40.o1.gp	Method	AAT/GAP
Start	384	End	810
GI	LIB3479-006-Q6-K1-B11	Score	637
Exons	384..810		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	22850	Seq. ID	OJ990825_02.9A29.C40
Gene No.	47525	Strand	-
Start	608	End	2219
Name	OJ990825_02.9A29.C40.o1.gs	Method	GENSCAN
Start	608	End	2219
GI	none	Score	.61
Exons	608..689, 1661..1917, 1970..2112, 2117..2219		

Seq. No.	22851	Seq. ID	OJ990825_02.9A29.C41
Gene No.	47526	Strand	+
Start	815	End	1394
Name	OJ990825_02.9A29.C41.o1.gs	Method	GENSCAN
Start	815	End	1394
GI	none	Score	.94
Exons	815..826, 1079..1210, 1353..1394		

Seq. No.	22851	Seq. ID	OJ990825_02.9A29.C41
Gene No.	47527	Strand	-
Start	2204	End	3972
Name	OJ990825_02.9A29.C41.o1.np	Method	AAT/NAP
Start	2188	End	3972
GI	6069646	Score	1079
Exons	2188..3077, 3893..3972		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	22851	Seq. ID	OJ990825_02.9A29.C41
Gene No.	47527	Strand	-

Start	2204	End	3972
Name	OJ990825_02.9A29.C41.o2.gs	Method	GENSCAN
Start	2204	End	3583
GI	none	Score	.4
Exons	2204..2357, 2479..2597, 2784..3062, 3395..3470, 3516..3583		

Seq. No.	22851	Seq. ID	OJ990825_02.9A29.C41
Gene No.	47527	Strand	-
Start	2204	End	3972
Name	OJ990825_02.9A29.C41.o1.tm	Method	TBLASTX:Maize
Start	2306	End	2798
GI	none	Score	83
Exons	2306..2404, 2428..2640, 2445..2657, 2673..2798		

Seq. No.	22851	Seq. ID	OJ990825_02.9A29.C41
Gene No.	47527	Strand	-
Start	2204	End	3972
Name	OJ990825_02.9A29.C41.o1.tw	Method	TBLASTX:Wheat
Start	2315	End	2666
GI	none	Score	63
Exons	2315..2347, 2469..2666, 2515..2637		

Seq. No.	22851	Seq. ID	OJ990825_02.9A29.C41
Gene No.	47527	Strand	-
Start	2204	End	3972
Name	OJ990825_02.9A29.C41.o2.tm	Method	TBLASTX:Maize
Start	2799	End	3005
GI	none	Score	182
Exons	2799..3005		

Seq. No.	22852	Seq. ID	OJ990825_02.9A29.C42
Gene No.	47528	Strand	+
Start	34	End	459
Name	OJ990825_02.9A29.C42.o1.gs	Method	GENSCAN
Start	34	End	459
GI	none	Score	1
Exons	34..459		

Seq. No.	22852	Seq. ID	OJ990825_02.9A29.C42
Gene No.	47529	Strand	+
Start	3462	End	4654
Name	OJ990825_02.9A29.C42.o2.gs	Method	GENSCAN
Start	3462	End	4654
GI	none	Score	1
Exons	3462..3942, 4002..4654		

Seq. No.	22852	Seq. ID	OJ990825_02.9A29.C42
Gene No.	47530	Strand	-
Start	299	End	4116
Name	OJ990825_02.9A29.C42.o1.ts	Method	TBLASTX:Soybean
Start	196	End	4116
GI	none	Score	57
Exons	196..342, 337..453, 3638..3826, 3639..3830, 3928..4116, 3929..4087		

Seq. No.	22852	Seq. ID	OJ990825_02.9A29.C42
Gene No.	47530	Strand	-

Start	299	End	4116
Name	OJ990825_02.9A29.C42.o1.gp	Method	AAT/GAP
Start	299	End	569
GI	4714133	Score	487
Exons	299..569		
Seq. No.	22852	Seq. ID	OJ990825_02.9A29.C42
Gene No.	47530	Strand	-
Start	299	End	4116
Name	OJ990825_02.9A29.C42.o1.tc	Method	TBLASTX:Cress
Start	3639	End	4087
GI	none	Score	146
Exons	3639..3869, 3874..3915, 3875..3919, 3976..4080, 3977..4087		
Seq. No.	22853	Seq. ID	OJ990825_02.9A29.C43
Gene No.	47531	Strand	-
Start	2230	End	2339
Name	OJ990825_02.9A29.C43.o1.gs	Method	GENSCAN
Start	2230	End	2339
GI	none	Score	.53
Exons	2230..2247, 2322..2339		
Seq. No.	22854	Seq. ID	OJ990605_38.9B05.C1
Gene No.	47532	Strand	-
Start	1	End	415
Name	OJ990605_38.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	254
GI	5669663	Score	386
Exons	1..254		
GI Descrip.	(AF100765) receptor-like kinase [Oryza sativa]		
Seq. No.	22854	Seq. ID	OJ990605_38.9B05.C1
Gene No.	47532	Strand	-
Start	1	End	415
Name	OJ990605_38.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	282
GI	none	Score	157
Exons	1..198, 9..212, 220..282		
Seq. No.	22854	Seq. ID	OJ990605_38.9B05.C1
Gene No.	47532	Strand	-
Start	1	End	415
Name	OJ990605_38.9B05.C1.o1.gs	Method	GENSCAN
Start	119	End	415
GI	none	Score	.71
Exons	119..178, 335..415		
Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47533	Strand	+
Start	54	End	128
Name	OJ990605_38.9B05.C2.o1.gp	Method	AAT/GAP
Start	54	End	128
GI	2312838	Score	67
Exons	54..128		
GI Descrip.	1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47534	Strand	+
Start	513	End	4416
Name	OJ990605_38.9B05.C2.o1.gs	Method	GENSCAN
Start	513	End	4416
GI	none	Score	.54
Exons	513..658, 986..1167, 2407..2430, 2538..3451, 4150..4416		
Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47534	Strand	+
Start	513	End	4416
Name	OJ990605_38.9B05.C2.o1.np	Method	AAT/NAP
Start	513	End	3607
GI	5679314	Score	3146
Exons	513..1287, 2087..2190, 2407..2430, 2538..3607		
GI Descrip.	(AF164021) receptor kinase [Oryza sativa]		
Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47534	Strand	+
Start	513	End	4416
Name	OJ990605_38.9B05.C2.o2.gp	Method	AAT/GAP
Start	1251	End	3921
GI	833_1.R1084	Score	2783
Exons	1251..1287, 2087..2190, 2407..2430, 2538..3921		
GI Descrip.	'2832304 0.0e+00 (AF044489) receptor-like protein kinase [Oryza sativa]'		
Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47535	Strand	-
Start	4792	End	5534
Name	OJ990605_38.9B05.C2.o2.gs	Method	GENSCAN
Start	4792	End	5534
GI	none	Score	.95
Exons	4792..4943, 5143..5333, 5497..5534		
Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47536	Strand	-
Start	7028	End	9364
Name	OJ990605_38.9B05.C2.o3.tm	Method	TBLASTX:Maize
Start	572	End	940
GI	none	Score	432
Exons	572..931, 573..935, 578..940		
Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47536	Strand	-
Start	7028	End	9364
Name	OJ990605_38.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	2614	End	8159
GI	none	Score	117
Exons	2614..2784, 2639..2782, 2782..2904, 2783..3004, 2783..2902, 2788..2967, 3011..3250, 3011..3235, 3139..3249, 7475..7903, 7476..7904, 7907..8158, 7908..8156, 7911..8159, 8029..8157		
Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47536	Strand	-
Start	7028	End	9364
Name	OJ990605_38.9B05.C2.o1.ts	Method	TBLASTX:Soybean

Start	2639	End	8183
GI	none	Score	340
Exons	2639..2980, 2641..2967, 3017..3589, 3034..3087, 3044..3388, 3142..3576, 7148..7282, 7160..7246, 7206..7256, 7367..7717, 7380..7718, 7736..7897, 7749..7898, 7934..8077, 8130..8183		

Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47536	Strand	-
Start	7028	End	9364
Name	OJ990605_38.9B05.C2.o1.tc	Method	TBLASTX:Cress
Start	2681	End	8035
GI	none	Score	92
Exons	2681..2773, 2698..2766, 2767..3036, 2777..2968, 3010..3312, 3011..3325, 3023..3319, 3335..3406, 3397..3453, 3431..3604, 3469..3588, 7100..7270, 7119..7277, 7337..7381, 7400..7726, 7407..7718, 7742..7897, 7749..7886, 7907..8035		

Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47536	Strand	-
Start	7028	End	9364
Name	OJ990605_38.9B05.C2.o1.tw	Method	TBLASTX:Wheat
Start	2842	End	7870
GI	none	Score	114
Exons	2842..2910, 2843..2971, 3023..3247, 3023..3169, 7478..7717, 7557..7700, 7713..7868, 7730..7870		

Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47536	Strand	-
Start	7028	End	9364
Name	OJ990605_38.9B05.C2.o2.tw	Method	TBLASTX:Wheat
Start	3248	End	7477
GI	none	Score	111
Exons	3248..3394, 3446..3586, 7157..7279, 7181..7270, 7206..7280, 7328..7405, 7375..7404, 7400..7477, 7406..7450		

Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47536	Strand	-
Start	7028	End	9364
Name	OJ990605_38.9B05.C2.o2.tm	Method	TBLASTX:Maize
Start	3276	End	7447
GI	none	Score	126
Exons	3276..3410, 3277..3576, 3278..3580, 3279..3593, 3442..3636, 7145..7279, 7187..7270, 7310..7357, 7373..7447, 7385..7447		

Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47536	Strand	-
Start	7028	End	9364
Name	OJ990605_38.9B05.C2.o3.gs	Method	GENSCAN
Start	7028	End	9364
GI	none	Score	.62
Exons	7028..8163, 8346..8497, 8598..9364		

Seq. No.	22855	Seq. ID	OJ990605_38.9B05.C2
Gene No.	47536	Strand	-
Start	7028	End	9364
Name	OJ990605_38.9B05.C2.o2.np	Method	AAT/NAP
Start	7047	End	8782

GI 5669667 Score 2435
 Exons 7047..8163, 8346..8497, 8598..8782
 GI Descrip. (AF100767) receptor-like kinase [Oryza sativa]

Seq. No. 22855 Seq. ID OJ990605_38.9B05.C2
 Gene No. 47536 Strand -
 Start 7028 End 9364
 Name OJ990605_38.9B05.C2.o4.tm Method TBLASTX:Maize
 Start 9008 End 9253
 GI none Score 115
 Exons 9008..9040, 9044..9172, 9047..9172, 9049..9177, 9057..9173, 9167..9253

Seq. No. 22856 Seq. ID OJ990605_38.9B05.C3
 Gene No. 47537 Strand +
 Start 1073 End 1144
 Name OJ990605_38.9B05.C3.o1.gs Method GENSCAN
 Start 1073 End 1144
 GI none Score .78
 Exons 1073..1144

Seq. No. 22857 Seq. ID OJ990605_38.9B05.C4
 Gene No. 47538 Strand +
 Start 8778 End 14424
 Name OJ990605_38.9B05.C4.o1.np Method AAT/NAP
 Start 8778 End 14424
 GI 6498441 Score 6823
 Exons 8778..9841, 10172..10635, 10699..11072, 11256..11390, 11565..11805, 11998..12480, 12652..14049, 14143..14424
 GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No. 22857 Seq. ID OJ990605_38.9B05.C4
 Gene No. 47539 Strand +
 Start 21390 End 26319
 Name OJ990605_38.9B05.C4.o3.np Method AAT/NAP
 Start 21390 End 26319
 GI 4388818 Score 2519
 Exons 21390..21411, 22529..26319
 GI Descrip. (AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No. 22857 Seq. ID OJ990605_38.9B05.C4
 Gene No. 47539 Strand +
 Start 21390 End 26319
 Name OJ990605_38.9B05.C4.o4.gp Method AAT/GAP
 Start 23671 End 24107
 GI 2428449 Score 854
 Exons 23671..24107
 GI Descrip. 4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]

Seq. No. 22857 Seq. ID OJ990605_38.9B05.C4
 Gene No. 47539 Strand +
 Start 21390 End 26319

Name	OJ990605_38.9B05.C4.o5.gp	Method	AAT/GAP
Start	25155	End	25397
GI	1621494	Score	426
Exons	25155..25397		
GI Descrip.	1621495/dbj BAA12903 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47540	Strand	+
Start	26731	End	27026
Name	OJ990605_38.9B05.C4.o6.gp	Method	AAT/GAP
Start	26731	End	27026
GI	LIB3432-057-P1-K1-C2	Score	496
Exons	26731..27026		
GI Descrip.	'2499551/sp Q55535 Y328_SYNY3 1.0e-10 PUTATIVE LOW MOLECULAR WEIGHT PROTEIN-TYROSINE-PHOSPHATASE >gi_1001408_dbj_BAA10030_(D63999) low molecular weight phosphotyrosine protein phosphatase [Synechocystis sp.]'		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47541	Strand	+
Start	31816	End	35849
Name	OJ990605_38.9B05.C4.o6.gs	Method	GENSCAN
Start	31816	End	35849
GI	none	Score	.48
Exons	31816..32644, 34524..34547, 34778..34975, 35059..35849		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47542	Strand	+
Start	40626	End	43452
Name	OJ990605_38.9B05.C4.o5.np	Method	AAT/NAP
Start	40617	End	43452
GI	5679314	Score	539
Exons	40617..41366, 43409..43452		
GI Descrip.	(AF164021) receptor kinase [Oryza sativa]		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47542	Strand	+
Start	40626	End	43452
Name	OJ990605_38.9B05.C4.o9.gp	Method	AAT/GAP
Start	40624	End	40976
GI	LIB3431-051-P1-K1-G3	Score	673
Exons	40624..40976		
GI Descrip.	'5523862/gb AAD44034.1 AF085169_2 3.0e-35 (AF085169) LRk-type protein [Triticum aestivum]'		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47542	Strand	+
Start	40626	End	43452
Name	OJ990605_38.9B05.C4.o8.gs	Method	GENSCAN
Start	40626	End	43205
GI	none	Score	.8
Exons	40626..41015, 41138..41333, 43129..43205		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47543	Strand	+
Start	43941	End	44329

Name	OJ990605_38.9B05.C4.o11.gp	Method	AAT/GAP
Start	43941	End	44329
GI	27360_1.R1084	Score	414
Exons	43941..44031, 44156..44329		
GI Descrip.	'4929725/gb AAD34123.1 AF151886_1 4.0e-32 (AF151886) CGI-128 protein [Homo sapiens]'		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47544	Strand	-
Start	1075	End	5594
Name	OJ990605_38.9B05.C4.o1.gs	Method	GENSCAN
Start	1075	End	5489
GI	none	Score	.47
Exons	1075..1473, 2590..3963, 5424..5489		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47544	Strand	-
Start	1075	End	5594
Name	OJ990605_38.9B05.C4.o1.gp	Method	AAT/GAP
Start	5222	End	5594
GI	uC-osflcyp033a04b1	Score	508
Exons	5222..5594		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47545	Strand	-
Start	15046	End	18335
Name	OJ990605_38.9B05.C4.o2.np	Method	AAT/NAP
Start	15046	End	18335
GI	5803259	Score	4338
Exons	15046..16699, 16745..16977, 17077..18335		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47546	Strand	-
Start	28034	End	39763
Name	OJ990605_38.9B05.C4.o5.gs	Method	GENSCAN
Start	28034	End	31405
GI	none	Score	.69
Exons	28034..29181, 29289..29515, 29639..30472, 31389..31405		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47546	Strand	-
Start	28034	End	39763
Name	OJ990605_38.9B05.C4.o4.np	Method	AAT/NAP
Start	28037	End	39763
GI	5669663	Score	2218
Exons	28037..29278, 30244..30335, 39048..39384, 39424..39763		
GI Descrip.	(AF100765) receptor-like kinase [Oryza sativa]		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47546	Strand	-
Start	28034	End	39763
Name	OJ990605_38.9B05.C4.o7.gp	Method	AAT/GAP
Start	37246	End	37742
GI	3768638	Score	772

Exons 37246..37742

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47546	Strand	-
Start	28034	End	39763
Name	OJ990605_38.9B05.C4.o7.gs	Method	GENSCAN
Start	37446	End	39757
GI	none	Score	.74
Exons	37446..38592, 38735..38857, 39009..39757		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47546	Strand	-
Start	28034	End	39763
Name	OJ990605_38.9B05.C4.o8.gp	Method	AAT/GAP
Start	38176	End	38782
GI	38834_1.R1084	Score	837
Exons	38176..38559, 38694..38782		
GI Descrip.	'5499713/gb AAD43962.1 U78762_1 4.0e-34 (U78762) receptor-like kinase ARK1AS [Triticum aestivum]'		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47547	Strand	-
Start	42553	End	44279
Name	OJ990605_38.9B05.C4.o6.np	Method	AAT/NAP
Start	42553	End	44279
GI	6715721	Score	176
Exons	42553..42622, 43752..43870, 43929..44019, 44138..44279		
GI Descrip.	(AC016447) unknown protein [Arabidopsis thaliana]		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47547	Strand	-
Start	42553	End	44279
Name	OJ990605_38.9B05.C4.o10.gp	Method	AAT/GAP
Start	43272	End	43366
GI	38834_1.R1084	Score	150
Exons	43272..43366		
GI Descrip.	'5499713/gb AAD43962.1 U78762_1 4.0e-34 (U78762) receptor-like kinase ARK1AS [Triticum aestivum]'		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o10.tw	Method	TBLASTX:Wheat
Start	8926	End	9318
GI	none	Score	58
Exons	8926..8973, 8980..9078, 8997..9077, 9045..9206, 9061..9318		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o16.tm	Method	TBLASTX:Maize
Start	8931	End	9216
GI	none	Score	193
Exons	8931..9215, 8968..9216		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-

Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o9.tw	Method	TBLASTX:Wheat
Start	9326	End	12786
GI	none	Score	224
Exons	9326..9379, 12325..12576, 12352..12576, 12417..12590, 12637..12786, 12646..12783, 12648..12785		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o4.tw	Method	TBLASTX:Wheat
Start	10056	End	10539
GI	none	Score	413
Exons	10056..10229, 10057..10539, 10251..10511		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o2.tw	Method	TBLASTX:Wheat
Start	10706	End	11169
GI	none	Score	209
Exons	10706..11149, 10707..11168, 10708..11169		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o9.ts	Method	TBLASTX:Soybean
Start	10747	End	11112
GI	none	Score	117
Exons	10747..10971, 10978..11112		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o5.tm	Method	TBLASTX:Maize
Start	10837	End	11193
GI	none	Score	392
Exons	10837..11193, 10872..11183, 10888..11193		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o7.tm	Method	TBLASTX:Maize
Start	11220	End	11604
GI	none	Score	360
Exons	11220..11585, 11221..11604		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o3.tw	Method	TBLASTX:Wheat
Start	11277	End	11702
GI	none	Score	487
Exons	11277..11702, 11278..11697		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-

Start 46108
 Name OJ990605_38.9B05.C4.o5.ts
 Start 11356
 GI none
 Exons 11356..11727, 11373..11516

End 50579
 Method TBLASTX:Soybean
 End 11727
 Score 279

Seq. No. 22857
 Gene No. 47548
 Start 46108
 Name OJ990605_38.9B05.C4.o8.ts
 Start 12475
 GI 5666795
 Exons 12475..12573, 12649..12786, 12841..13041
 GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. ID OJ990605_38.9B05.C4
 Strand -
 End 50579
 Method TBLASTX:Soybean
 End 13041
 Score 64

Seq. No. 22857
 Gene No. 47548
 Start 46108
 Name OJ990605_38.9B05.C4.o17.tw
 Start 12789
 GI none
 Exons 12789..12965, 12841..13101

Seq. ID OJ990605_38.9B05.C4
 Strand -
 End 50579
 Method TBLASTX:Wheat
 End 13101
 Score 193

Seq. No. 22857
 Gene No. 47548
 Start 46108
 Name OJ990605_38.9B05.C4.o6.tm
 Start 13294
 GI none
 Exons 13294..13617, 13323..13604

Seq. ID OJ990605_38.9B05.C4
 Strand -
 End 50579
 Method TBLASTX:Maize
 End 13617
 Score 362

Seq. No. 22857
 Gene No. 47548
 Start 46108
 Name OJ990605_38.9B05.C4.o7.tw
 Start 13431
 GI none
 Exons 13431..13487, 13432..13812, 13533..13781

Seq. ID OJ990605_38.9B05.C4
 Strand -
 End 50579
 Method TBLASTX:Wheat
 End 13812
 Score 375

Seq. No. 22857
 Gene No. 47548
 Start 46108
 Name OJ990605_38.9B05.C4.o11.tm
 Start 13756
 GI none
 Exons 13756..13914, 23820..24305, 24014..24304

Seq. ID OJ990605_38.9B05.C4
 Strand -
 End 50579
 Method TBLASTX:Maize
 End 24305
 Score 96

Seq. No. 22857
 Gene No. 47548
 Start 46108
 Name OJ990605_38.9B05.C4.o13.tw
 Start 13813
 GI none
 Exons 13813..14097, 13818..14096, 14289..14411, 14290..14415

Seq. ID OJ990605_38.9B05.C4
 Strand -
 End 50579
 Method TBLASTX:Wheat
 End 14415
 Score 265

Seq. No. 22857
 Gene No. 47548

Seq. ID OJ990605_38.9B05.C4
 Strand -

Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o12.tw	Method	TBLASTX:Wheat
Start	22708	End	23129
GI	none	Score	171
Exons	22708..22857, 22725..22847, 22837..22947, 22840..22941, 22854..22946, 22959..23000, 23058..23129, 23076..23129		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o8.tw	Method	TBLASTX:Wheat
Start	23834	End	24443
GI	none	Score	342
Exons	23834..24244, 23835..24284, 24284..24364, 24381..24443		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o4.ts	Method	TBLASTX:Soybean
Start	24054	End	24503
GI	none	Score	285
Exons	24054..24383, 24063..24308, 24083..24313, 24368..24502, 24369..24503		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o3.tc	Method	TBLASTX:Cress
Start	24072	End	24539
GI	none	Score	188
Exons	24072..24365, 24380..24496, 24381..24539		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	24718	End	25156
GI	none	Score	610
Exons	24718..24906, 24719..25156, 24720..25154, 24838..25155		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o13.tm	Method	TBLASTX:Maize
Start	24986	End	25424
GI	none	Score	329
Exons	24986..25291, 24996..25424		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o3.ts	Method	TBLASTX:Soybean
Start	25020	End	25409
GI	none	Score	377
Exons	25020..25409, 25040..25315, 25252..25371		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
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Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o5.tw	Method	TBLASTX:Wheat
Start	25157	End	25778
GI	none	Score	146
Exons	25157..25303, 25158..25307, 25344..25778, 25400..25534, 25595..25759		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o4.tm	Method	TBLASTX:Maize
Start	25427	End	25970
GI	none	Score	122
Exons	25427..25519, 25428..25580, 25563..25862, 25616..25861, 25908..25970, 25910..25969		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o16.tw	Method	TBLASTX:Wheat
Start	25905	End	26286
GI	none	Score	120
Exons	25905..26045, 26048..26107, 26140..26286		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o7.ts	Method	TBLASTX:Soybean
Start	25953	End	26310
GI	none	Score	108
Exons	25953..26045, 25955..26047, 26039..26107, 26048..26095, 26143..26187, 26145..26195, 26197..26310, 26211..26309		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o10.tm	Method	TBLASTX:Maize
Start	25970	End	26314
GI	none	Score	95
Exons	25970..26047, 25971..26045, 26048..26140, 26050..26145, 26145..26312, 26146..26310, 26162..26314		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o3.tm	Method	TBLASTX:Maize
Start	28145	End	37878
GI	none	Score	130
Exons	28145..28345, 28154..28309, 28373..28492, 28404..28493, 35490..35642, 35492..35578, 35694..35819, 37542..37877, 37542..37877, 37543..37878		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o1.tc	Method	TBLASTX:Cress

Start	28161	End	38441
GI	none	Score	61
Exons	28161..28316, 28166..28288, 28355..28399, 28418..28735, 28425..28733, 28758..28904, 28760..28915, 28925..29056, 34921..35004, 34923..34991, 35006..35206, 35016..35207, 35253..35564, 35261..35551, 35580..35645, 35604..35624, 35652..35846, 35708..35851, 37543..37725, 37560..37682, 37680..37781, 37804..38034, 37806..38123, 37813..38121, 38146..38292, 38148..38291, 38309..38383, 38310..38441		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o15.tw	Method	TBLASTX:Wheat
Start	28161	End	37877
GI	none	Score	69
Exons	28161..28331, 28169..28306, 28346..28423, 28418..28495, 28426..28467, 35487..35627, 35652..35825, 37555..37701, 37563..37877		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	28166	End	38486
GI	none	Score	228
Exons	28166..28300, 28394..28744, 28398..28709, 28550..28753, 28754..28918, 28761..28931, 28953..29129, 28967..29095, 34879..35040, 34881..35048, 34941..35186, 34980..35240, 34994..35206, 35256..35825, 35273..35326, 35283..35474, 35381..35575, 37560..37694, 37561..37719, 37737..38132, 37747..38097, 38142..38291, 38155..38292, 38340..38486		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	28493	End	38572
GI	none	Score	528
Exons	28493..28921, 28494..28925, 28888..29043, 28913..29191, 28926..29243, 34878..34991, 34879..35004, 35006..35218, 35010..35243, 35226..35489, 35274..35477, 37881..38309, 37882..38310, 37882..38331, 37883..38317, 38279..38506, 38313..38564, 38313..38570, 38314..38571, 38314..38571, 38315..38572		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o11.tw	Method	TBLASTX:Wheat
Start	28496	End	38276
GI	none	Score	111
Exons	28496..28735, 28748..28888, 35082..35210, 35238..35486, 35262..35405, 35450..35485, 37884..38123, 38136..38276		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-

Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o8.tm	Method	TBLASTX:Maize
Start	31894	End	41033
GI	none	Score	94
Exons	31894..31992, 31906..31974, 32008..32184, 32033..32170, 32037..32171, 32050..32175, 39554..39625, 40705..40992, 40710..40991, 40713..41033, 40718..41032		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o14.tw	Method	TBLASTX:Wheat
Start	43945	End	44302
GI	none	Score	88
Exons	43945..44031, 43970..44032, 43970..44053, 44154..44294, 44154..44294, 44156..44302		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o15.tm	Method	TBLASTX:Maize
Start	43945	End	44282
GI	none	Score	75
Exons	43945..44031, 43967..44032, 43967..44053, 44154..44282, 44154..44279, 44155..44280		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o10.gs	Method	GENSCAN
Start	46108	End	50579
GI	none	Score	.86
Exons	46108..46206, 46503..46634, 46709..46782, 46813..46948, 47213..47381, 47636..48135, 48222..48332, 48443..48774, 49244..49378, 49479..49628, 50444..50579		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o12.tm	Method	TBLASTX:Maize
Start	46207	End	46616
GI	none	Score	142
Exons	46207..46425, 46229..46420, 46258..46425, 46491..46616, 46492..46614		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o7.np	Method	AAT/NAP
Start	46241	End	48368
GI	6166137	Score	528
Exons	46241..46416, 46503..46634, 46709..46948, 47213..47407, 47634..48135, 48222..48368		
GI Descrip.	ELONGATION FACTOR 1-ALPHA-B/D (EF-1-ALPHA-B/D) gi 1136785 dbj BAA11570 (D82572) elongation factor 1 alpha-B [Schizosaccharomyces pombe] gi 2879798 emb CAA16984.1 (AL021813) elongation factor 1 alpha-b [Schizosaccharomyces		

pombe] gi|2879877|emb|CAA17018| (AL021816) elongation factor 1
alpha-b [Schizosaccharomyces pombe] gi|5441478|emb|CAB46708.1|
(AL096796) elonga

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o2.tc	Method	TBLASTX:Cress
Start	46291	End	48332
GI	none	Score	67
Exons	46291..46419, 47096..47152, 47267..47380, 47665..47790, 47795..47935, 47797..47877, 47890..48132, 47908..48048, 48225..48332		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o14.tm	Method	TBLASTX:Maize
Start	46700	End	47336
GI	none	Score	260
Exons	46700..46951, 46707..46949, 46711..46950, 47199..47330, 47200..47331, 47210..47335, 47211..47336		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o6.ts	Method	TBLASTX:Soybean
Start	46703	End	46946
GI	none	Score	179
Exons	46703..46945, 46716..46946		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o12.gp	Method	AAT/GAP
Start	46737	End	47717
GI	LIB3432-044-P1-K1-G3	Score	858
Exons	46737..46948, 47213..47381, 47636..47717		
GI Descrip.	'5729864/ref NP_006611.1 pHBS1 2.0e-23 GTP binding: protein similar to S. cerevisiae HBS1 >gi_4099482_gb_AAD00645_ (U87791) eRFS [Homo sapiens]'		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o2.ts	Method	TBLASTX:Soybean
Start	47267	End	48353
GI	none	Score	67
Exons	47267..47380, 47665..47790, 47795..47908, 47797..47877, 47890..48132, 47891..48076, 48225..48353		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o2.tm	Method	TBLASTX:Maize
Start	47336	End	48257
GI	none	Score	65

Exons 47336..47380, 47337..47381, 47621..48139, 47621..47926,
47635..48138, 48222..48257

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o6.tw	Method	TBLASTX:Wheat
Start	47665	End	48332
GI	none	Score	81
Exons	47665..47790, 47795..47908, 47797..47877, 47890..48132,, 48217..48330, 48225..48332		

Seq. No.	22857	Seq. ID	OJ990605_38.9B05.C4
Gene No.	47548	Strand	-
Start	46108	End	50579
Name	OJ990605_38.9B05.C4.o9.tm	Method	TBLASTX:Maize
Start	48258	End	48770
GI	none	Score	96
Exons	48258..48332, 48259..48333, 48440..48706, 48441..48770		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47549	Strand	+
Start	174	End	593
Name	OJ990605_38.9B05.C5.o1.gs	Method	GENSCAN
Start	174	End	593
GI	none	Score	.96
Exons	174..593		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47550	Strand	+
Start	4120	End	4925
Name	OJ990605_38.9B05.C5.o2.np	Method	AAT/NAP
Start	4120	End	4925
GI	3282543	Score	333
Exons	4120..4925		
GI Descrip.	(AF027190) receptor-like kinase [Triticum aestivum]		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47551	Strand	-
Start	1081	End	4241
Name	OJ990605_38.9B05.C5.o2.gs	Method	GENSCAN
Start	1081	End	4241
GI	none	Score	.8
Exons	1081..2215, 2373..2603, 3363..3644, 3663..3792, 4139..4241		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47551	Strand	-
Start	1081	End	4241
Name	OJ990605_38.9B05.C5.o1.np	Method	AAT/NAP
Start	1177	End	3871
GI	5523858	Score	1844
Exons	1177..2235, 2441..2603, 2753..2819, 3142..3871		
GI Descrip.	(AF085167) receptor-like kinase ARK1AS [Hordeum vulgare]		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834

Name	OJ990605_38.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	1195	End	2097
GI	none	Score	72
Exons	1195..1338, 1369..1440, 1462..1779, 1489..1725, 1493..1777, 1802..1948, 1804..1950, 1804..1959, 1969..2097		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o3.tm	Method	TBLASTX:Maize
Start	1198	End	1537
GI	none	Score	191
Exons	1198..1536, 1199..1537		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	1216	End	2173
GI	none	Score	69
Exons	1216..1350, 1240..1350, 1339..1779, 1493..1753, 1798..1971, 1811..1975, 1996..2139, 1997..2173		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o7.tw	Method	TBLASTX:Wheat
Start	1219	End	1539
GI	none	Score	91
Exons	1219..1356, 1393..1539		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	1537	End	2227
GI	none	Score	542
Exons	1537..1965, 1538..1966, 1569..1970, 1862..2224, 1957..2226, 1970..2227		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o4.tw	Method	TBLASTX:Wheat
Start	1540	End	1932
GI	none	Score	118
Exons	1540..1779, 1801..1932		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o3.gs	Method	GENSCAN
Start	5512	End	9660
GI	none	Score	.87
Exons	5512..9660		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
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Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o3.np	Method	AAT/NAP
Start	5515	End	11336
GI	6466937	Score	2296
Exons	5515..9663, 11307..11336		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o4.np	Method	AAT/NAP
Start	5515	End	11350
GI	6466937	Score	2299
Exons	5515..9663, 11307..11350		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o6.tm	Method	TBLASTX:Maize
Start	5585	End	5976
GI	none	Score	207
Exons	5585..5875, 5605..5931, 5606..5884, 5608..5931, 5953..5976		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o3.tw	Method	TBLASTX:Wheat
Start	6040	End	11195
GI	none	Score	58
Exons	6040..6150, 6220..6603, 6395..6523, 10767..11195		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o5.tm	Method	TBLASTX:Maize
Start	6223	End	11177
GI	none	Score	201
Exons	6223..6681, 6272..6718, 10851..11177		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o5.ts	Method	TBLASTX:Soybean
Start	6451	End	6835
GI	none	Score	140
Exons	6451..6684, 6527..6835		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o12.tm	Method	TBLASTX:Maize
Start	6817	End	7065
GI	none	Score	103

Exons 6817..7065, 6833..7063

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o7.tm	Method	TBLASTX:Maize
Start	7084	End	7539
GI	none	Score	72
Exons	7084..7539, 7361..7477		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o6.tw	Method	TBLASTX:Wheat
Start	7096	End	7422
GI	none	Score	43
Exons	7096..7422, 7109..7147, 7210..7422		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o8.ts	Method	TBLASTX:Soybean
Start	7267	End	7512
GI	none	Score	76
Exons	7267..7512, 7364..7477		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o2.tw	Method	TBLASTX:Wheat
Start	7423	End	13271
GI	none	Score	108
Exons	7423..7557, 7540..7821, 7541..7741, 12876..13001, 12904..13011, 12978..13271		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o3.ts	Method	TBLASTX:Soybean
Start	7540	End	13328
GI	none	Score	115
Exons	7540..7860, 7541..7855, 13002..13328		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	7549	End	13430
GI	none	Score	307
Exons	7549..7860, 7912..7977, 12969..13430, 12970..13281, 13366..13428		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o4.tm	Method	TBLASTX:Maize
Start	7981	End	13676
GI	none	Score	157

Exons	7981..8424, 7982..8413, 13452..13676		
Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	7996	End	13706
GI	none	Score	237
Exons	7996..8193, 13298..13627, 13299..13706, 13366..13689		
Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o7.ts	Method	TBLASTX:Soybean
Start	8041	End	13868
GI	none	Score	146
Exons	8041..8175, 8182..8232, 13500..13634, 13650..13868		
Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o9.tm	Method	TBLASTX:Maize
Start	8854	End	9087
GI	none	Score	168
Exons	8854..9087, 8855..9073		
Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o7.np	Method	AAT/NAP
Start	9042	End	17834
GI	2133512	Score	88
Exons	9042..9177, 11835..11961, 15140..15375, 17305..17552, 17808..17834		
GI Descrip.	cuticle collagen - tube worm (<i>Riftia pachyptila</i>) (fragments)		
Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o8.tm	Method	TBLASTX:Maize
Start	9436	End	9672
GI	none	Score	162
Exons	9436..9672, 9464..9658		
Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o13.tm	Method	TBLASTX:Maize
Start	10428	End	10667
GI	none	Score	97
Exons	10428..10538, 10545..10604, 10590..10667		
Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o4.ts	Method	TBLASTX:Soybean
Start	10440	End	10685

GI	none	Score	48
Exons	10440..10685, 10444..10485, 10555..10641, 10611..10685		
Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o5.np	Method	AAT/NAP
Start	10446	End	13853
GI	5902445	Score	1393
Exons	10446..11600, 11692..11797, 12001..13853		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o6.ts	Method	TBLASTX:Soybean
Start	11028	End	11423
GI	none	Score	82
Exons	11028..11423, 11128..11322		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o11.tm	Method	TBLASTX:Maize
Start	11277	End	11733
GI	none	Score	83
Exons	11277..11594, 11590..11733		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o5.tw	Method	TBLASTX:Wheat
Start	12183	End	12617
GI	none	Score	84
Exons	12183..12473, 12528..12617		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	12246	End	12663
GI	none	Score	81
Exons	12246..12488, 12250..12363, 12519..12662, 12529..12663, 12535..12663		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o9.ts	Method	TBLASTX:Soybean
Start	14350	End	14712
GI	none	Score	204
Exons	14350..14712		

Seq. No.	22858	Seq. ID	OJ990605_38.9B05.C5
Gene No.	47552	Strand	-
Start	5512	End	17834
Name	OJ990605_38.9B05.C5.o10.tm	Method	TBLASTX:Maize

Start	15853	End	16195
GI	none	Score	76
Exons	15853..16071, 15950..16066, 16096..16194, 16097..16195		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47553	Strand	+
Start	3707	End	4741
Name	OJ990605_38.9B05.C6.o1.np	Method	AAT/NAP
Start	3311	End	4738
GI	1680686	Score	1514
Exons	3311..3336, 3669..4738		
GI Descrip.	(U51330) rust resistance kinase Lr10 [Triticum aestivum]		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47553	Strand	+
Start	3707	End	4741
Name	OJ990605_38.9B05.C6.o2.gs	Method	GENSCAN
Start	3707	End	4741
GI	none	Score	.4
Exons	3707..4741		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47554	Strand	+
Start	9783	End	13253
Name	OJ990605_38.9B05.C6.o3.np	Method	AAT/NAP
Start	9783	End	13250
GI	1680686	Score	1860
Exons	9783..10482, 10518..10677, 11816..11845, 12181..13250		
GI Descrip.	(U51330) rust resistance kinase Lr10 [Triticum aestivum]		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47554	Strand	+
Start	9783	End	13253
Name	OJ990605_38.9B05.C6.o4.gs	Method	GENSCAN
Start	9783	End	13253
GI	none	Score	.47
Exons	9783..10677, 12181..13253		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47555	Strand	+
Start	16099	End	16183
Name	OJ990605_38.9B05.C6.o4.np	Method	AAT/NAP
Start	16099	End	16183
GI	6721547	Score	70
Exons	16099..16183		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47556	Strand	-
Start	4858	End	8761
Name	OJ990605_38.9B05.C6.o3.gs	Method	GENSCAN
Start	4858	End	8728
GI	none	Score	.49
Exons	4858..5018, 5522..5640, 6013..6321, 6510..6774, 6776..7591, 7689..7858, 7977..8728		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
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Gene No.	47556	Strand	-
Start	4858	End	8761
Name	OJ990605_38.9B05.C6.o2.np	Method	AAT/NAP
Start	4872	End	8761
GI	5499713	Score	1785
Exons	4872..4920, 6078..6351, 6793..7588, 7689..7892, 7987..8761		
GI Descrip.	(U78762) receptor-like kinase ARK1AS [Triticum aestivum]		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47557	Strand	-
Start	15608	End	15677
Name	OJ990605_38.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	3770	End	12893
GI	none	Score	102
Exons	3770..3913, 3894..4052, 3894..4079, 3898..4110, 3902..4135, 4118..4381, 4153..4203, 4154..4369, 4267..4380, 6900..7334, 6901..7329, 7320..7589, 7329..7589, 7333..7590, 12282..12425, 12410..12622, 12414..12647, 12630..12893, 12666..12881, 12779..12892		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47557	Strand	-
Start	15608	End	15677
Name	OJ990605_38.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	3770	End	13232
GI	none	Score	361
Exons	3770..4132, 3901..4098, 4148..4720, 4165..4503, 4596..4649, 6138..6272, 6144..6245, 6795..7151, 6805..7116, 6837..7148, 7161..7334, 7174..7323, 7359..7502, 7360..7446, 12282..12632, 12339..12602, 12413..12610, 12660..13232, 12677..12979, 13049..13213		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47557	Strand	-
Start	15608	End	15677
Name	OJ990605_38.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	3812	End	13225
GI	none	Score	88
Exons	3812..3904, 3814..3909, 3833..3913, 3898..4098, 3908..4114, 4145..4456, 4153..4443, 4493..4522, 4550..4708, 4600..4713, 6117..6260, 6258..6344, 6823..7002, 6825..7142, 6832..7140, 7165..7311, 7167..7322, 7332..7460, 12324..12416, 12410..12610, 12420..12626, 12657..12968, 12665..12955, 12894..12962, 12984..13049, 13008..13034, 13059..13154, 13061..13225, 13062..13214, 13072..13215		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47557	Strand	-
Start	15608	End	15677
Name	OJ990605_38.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	3974	End	12890
GI	none	Score	127
Exons	3974..4114, 4130..4378, 6903..7142, 7164..7295, 12486..12626, 12627..12890		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47557	Strand	-

Start	15608	End	15677
Name	OJ990605_38.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	4379	End	13229
GI	none	Score	95
Exons	4379..4525, 4556..4717, 6129..6257, 6141..6368, 6825..6902, 12891..13037, 13068..13229		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47557	Strand	-
Start	15608	End	15677
Name	OJ990605_38.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	4407	End	13268
GI	none	Score	290
Exons	4407..4751, 4407..4733, 4409..4756, 4594..4740, 6135..6269, 6798..6872, 6799..6873, 12919..13245, 12920..13252, 12921..13268		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47557	Strand	-
Start	15608	End	15677
Name	OJ990605_38.9B05.C6.o1.gp	Method	AAT/GAP
Start	14685	End	15043
GI	2309883	Score	477
Exons	14685..15043		
GI Descrip.	2149018/gb U70541 OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	22859	Seq. ID	OJ990605_38.9B05.C6
Gene No.	47557	Strand	-
Start	15608	End	15677
Name	OJ990605_38.9B05.C6.o5.gs	Method	GENSCAN
Start	15608	End	15677
GI	none	Score	.63
Exons	15608..15677		

Seq. No.	22860	Seq. ID	OJ990605_38.9B05.C7
Gene No.	47558	Strand	-
Start	834	End	1592
Name	OJ990605_38.9B05.C7.o1.gs	Method	GENSCAN
Start	834	End	1496
GI	none	Score	.98
Exons	834..1496		

Seq. No.	22860	Seq. ID	OJ990605_38.9B05.C7
Gene No.	47558	Strand	-
Start	834	End	1592
Name	OJ990605_38.9B05.C7.o1.np	Method	AAT/NAP
Start	864	End	1592
GI	5669663	Score	945
Exons	864..1592		
GI Descrip.	(AF100765) receptor-like kinase [Oryza sativa]		

Seq. No.	22860	Seq. ID	OJ990605_38.9B05.C7
Gene No.	47558	Strand	-
Start	834	End	1592
Name	OJ990605_38.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	937	End	1577

GI	none	Score	81
Exons	937..1122, 966..1118, 1185..1229, 1237..1545, 1240..1566, 1248..1577		

Seq. No.	22860	Seq. ID	OJ990605_38.9B05.C7
Gene No.	47558	Strand	-
Start	834	End	1592
Name	OJ990605_38.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	979	End	1383
GI	none	Score	124
Exons	979..1137, 980..1141, 984..1142, 984..1157, 1203..1370, 1226..1360, 1234..1383		

Seq. No.	22860	Seq. ID	OJ990605_38.9B05.C7
Gene No.	47558	Strand	-
Start	834	End	1592
Name	OJ990605_38.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	996	End	1577
GI	none	Score	204
Exons	996..1130, 1215..1577, 1228..1572		

Seq. No.	22860	Seq. ID	OJ990605_38.9B05.C7
Gene No.	47558	Strand	-
Start	834	End	1592
Name	OJ990605_38.9B05.C7.o2.tw	Method	TBLASTX:Wheat
Start	999	End	1325
GI	none	Score	76
Exons	999..1136, 1029..1118, 1176..1253, 1242..1295, 1248..1325		

Seq. No.	22860	Seq. ID	OJ990605_38.9B05.C7
Gene No.	47558	Strand	-
Start	834	End	1592
Name	OJ990605_38.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	1335	End	1565
GI	none	Score	209
Exons	1335..1565		

Seq. No.	22860	Seq. ID	OJ990605_38.9B05.C7
Gene No.	47558	Strand	-
Start	834	End	1592
Name	OJ990605_38.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	1386	End	1579
GI	none	Score	196
Exons	1386..1574, 1389..1571, 1397..1579		

Seq. No.	22861	Seq. ID	OJ990605_38.9B05.C8
Gene No.	47559	Strand	+
Start	309	End	536
Name	OJ990605_38.9B05.C8.o1.np	Method	AAT/NAP
Start	309	End	536
GI	5042454	Score	209
Exons	309..536		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22862	Seq. ID	OJ990605_38.9B05.C9
Gene No.	47560	Strand	+
Start	13	End	577

Name OJ990605_38.9B05.C9.o1.gs
 Start 13
 GI none
 Exons 13..577

Method GENSCAN
 End 577
 Score .9

Seq. No. 22863
 Gene No. 47561
 Start 1
 Name OJ990605_38.9B05.C10.o1.np
 Start 1
 GI 4680186
 Exons 1..28, 522..759
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. ID OJ990605_38.9B05.C10
 Strand +
 End 759
 Method AAT/NAP
 End 759
 Score 131

Seq. No. 22864
 Gene No. 47562
 Start 351
 Name OJ990605_38.9B05.C11.o1.gs
 Start 351
 GI none
 Exons 351..419

Seq. ID OJ990605_38.9B05.C11
 Strand -
 End 419
 Method GENSCAN
 End 419
 Score .59

Seq. No. 22865
 Gene No. 47563
 Start 2858
 Name OJ990605_34.9B05.C3.o2.gs
 Start 2858
 GI none
 Exons 2858..3733

Seq. ID OJ990605_34.9B05.C3
 Strand +
 End 3733
 Method GENSCAN
 End 3733
 Score .99

Seq. No. 22865
 Gene No. 47564
 Start 4838
 Name OJ990605_34.9B05.C3.o3.gs
 Start 4838
 GI none
 Exons 4838..4857, 5400..5444, 5483..5540

Seq. ID OJ990605_34.9B05.C3
 Strand +
 End 5540
 Method GENSCAN
 End 5540
 Score .76

Seq. No. 22865
 Gene No. 47565
 Start 13353
 Name OJ990605_34.9B05.C3.o4.gp
 Start 13353
 GI 61605_1.R1084
 Exons 13353..13625

Seq. ID OJ990605_34.9B05.C3
 Strand +
 End 13625
 Method AAT/GAP
 End 13625
 Score 470

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 22865
 Gene No. 47566
 Start 2459
 Name OJ990605_34.9B05.C3.o1.np
 Start 2459
 GI 6907106
 Exons 2459..2703, 2740..3079, 10056..10115, 11427..11612

Seq. ID OJ990605_34.9B05.C3
 Strand -
 End 11612
 Method AAT/NAP
 End 11612
 Score 418

GI Descrip. (AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47566	Strand	-
Start	2459	End	11612
Name	OJ990605_34.9B05.C3.o4.gs	Method	GENSCAN
Start	6340	End	11476
GI	none	Score	.77
Exons	6340..6456, 6542..6767, 6930..7082, 7161..7414, 7442..8074, 8161..8607, 8686..9072, 9094..9233, 9898..10228, 11037..11172, 11274..11476		

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47567	Strand	-
Start	11640	End	12376
Name	OJ990605_34.9B05.C3.o3.gp	Method	AAT/GAP
Start	11640	End	12376
GI	101153_1.R1084	Score	389
Exons	11640..11689, 12145..12376		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl7804'		

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47568	Strand	-
Start	14204	End	15736
Name	OJ990605_34.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	2556	End	2864
GI	none	Score	68
Exons	2556..2597, 2557..2688, 2557..2688, 2558..2689, 2644..2691, 2694..2780, 2703..2762, 2705..2785, 2705..2782, 2765..2842, 2766..2846, 2792..2851, 2793..2864		

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47568	Strand	-
Start	14204	End	15736
Name	OJ990605_34.9B05.C3.o5.gs	Method	GENSCAN
Start	14204	End	15661
GI	none	Score	.72
Exons	14204..15661		

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47568	Strand	-
Start	14204	End	15736
Name	OJ990605_34.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	14258	End	15508
GI	none	Score	58
Exons	14258..14377, 14378..14482, 14379..14483, 14501..14554, 14555..14605, 14621..14761, 14622..14747, 14759..14959, 14769..14906, 14964..15464, 14966..15508		

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47568	Strand	-
Start	14204	End	15736
Name	OJ990605_34.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	14321	End	14569
GI	none	Score	92
Exons	14321..14569, 14385..14567		

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47568	Strand	-
Start	14204	End	15736
Name	OJ990605_34.9B05.C3.o2.np	Method	AAT/NAP
Start	14676	End	15736
GI	6742729	Score	831
Exons	14676..15736		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47568	Strand	-
Start	14204	End	15736
Name	OJ990605_34.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	14795	End	15221
GI	none	Score	39
Exons	14795..14959, 14799..14906, 14964..15221, 14966..15217		

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47568	Strand	-
Start	14204	End	15736
Name	OJ990605_34.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	15152	End	15467
GI	none	Score	158
Exons	15152..15466, 15171..15467		

Seq. No.	22865	Seq. ID	OJ990605_34.9B05.C3
Gene No.	47568	Strand	-
Start	14204	End	15736
Name	OJ990605_34.9B05.C3.o2.ts	Method	TBLASTX:Soybean
Start	15164	End	15547
GI	none	Score	64
Exons	15164..15409, 15165..15290, 15419..15547		

Seq. No.	22866	Seq. ID	OJ990605_34.9B05.C4
Gene No.	47569	Strand	-
Start	1	End	1974
Name	OJ990605_34.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	666
GI	99922	Score	712
Exons	1..666		
GI Descrip.	hypothetical protein - soybean gi 930025 emb CAA31883 (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	22866	Seq. ID	OJ990605_34.9B05.C4
Gene No.	47569	Strand	-
Start	1	End	1974
Name	OJ990605_34.9B05.C4.o2.np	Method	AAT/NAP
Start	1	End	1974
GI	4680203	Score	866
Exons	1..1202, 1911..1974		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22866	Seq. ID	OJ990605_34.9B05.C4
Gene No.	47569	Strand	-
Start	1	End	1974
Name	OJ990605_34.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	8	End	281

GI none
Exons 8..280, 9..281

Score 225

Seq. No. 22866
Gene No. 47569
Start 1
Name OJ990605_34.9B05.C4.o1.tm
Start 21
GI none
Exons 21..281, 23..280

Seq. ID OJ990605_34.9B05.C4
Strand -
End 1974
Method TBLASTX:Maize
End 281
Score 161

Seq. No. 22866
Gene No. 47569
Start 1
Name OJ990605_34.9B05.C4.o1.tc
Start 68
GI none
Exons 68..415, 69..221, 261..410

Seq. ID OJ990605_34.9B05.C4
Strand -
End 1974
Method TBLASTX:Cress
End 415
Score 103

Seq. No. 22866
Gene No. 47569
Start 1
Name OJ990605_34.9B05.C4.o1.ts
Start 149
GI none
Exons 149..412, 150..416, 425..565, 438..560

Seq. ID OJ990605_34.9B05.C4
Strand -
End 1974
Method TBLASTX:Soybean
End 565
Score 116

Seq. No. 22866
Gene No. 47569
Start 1
Name OJ990605_34.9B05.C4.o2.tw
Start 296
GI none
Exons 296..415, 309..419, 428..577, 429..575, 583..843, 584..754

Seq. ID OJ990605_34.9B05.C4
Strand -
End 1974
Method TBLASTX:Wheat
End 843
Score 74

Seq. No. 22867
Gene No. 47570
Start 1287
Name OJ990605_34.9B05.C5.o1.gs
Start 1287
GI none
Exons 1287..1338, 2705..2753, 3076..3121, 3458..3738, 4014..4194, 4253..4459, 7716..7727

Seq. ID OJ990605_34.9B05.C5
Strand +
End 7727
Method GENSCAN
End 7727
Score .61

Seq. No. 22867
Gene No. 47571
Start 1873
Name OJ990605_34.9B05.C5.o1.np
Start 1873
GI 3645899
Exons 1873..1943, 5331..5465
GI Descrip. (U68408) 5' end not determined experimentally [Zea mays]

Seq. ID OJ990605_34.9B05.C5
Strand -
End 5465
Method AAT/NAP
End 5465
Score 41

Seq. No. 22867
Gene No. 47572
Start 6789
Name OJ990605_34.9B05.C5.o2.np

Seq. ID OJ990605_34.9B05.C5
Strand -
End 11316
Method AAT/NAP

Start	6789	End	11298
GI	6598360	Score	78
Exons	6789..6812, 10918..11298		
GI Descrip.	(AC002354) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22867	Seq. ID	OJ990605_34.9B05.C5
Gene No.	47572	Strand	-
Start	6789	End	11316
Name	OJ990605_34.9B05.C5.o2.gs	Method	GENSCAN
Start	10120	End	11316
GI	none	Score	.95
Exons	10120..11316		

Seq. No.	22868	Seq. ID	OJ990605_34.9B05.C7
Gene No.	47573	Strand	+
Start	1228	End	1913
Name	OJ990605_34.9B05.C7.o1.gs	Method	GENSCAN
Start	1228	End	1913
GI	none	Score	.47
Exons	1228..1481, 1658..1913		

Seq. No.	22868	Seq. ID	OJ990605_34.9B05.C7
Gene No.	47574	Strand	-
Start	3408	End	3615
Name	OJ990605_34.9B05.C7.o2.gs	Method	GENSCAN
Start	3408	End	3615
GI	none	Score	.95
Exons	3408..3615		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47575	Strand	+
Start	6017	End	7734
Name	OJ990605_34.9B05.C8.o2.np	Method	AAT/NAP
Start	6017	End	7734
GI	6907086	Score	1117
Exons	6017..6787, 6845..7092, 7312..7734		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47576	Strand	+
Start	8503	End	8731
Name	OJ990605_34.9B05.C8.o2.gp	Method	AAT/GAP
Start	8503	End	8731
GI	3761181	Score	342
Exons	8503..8731		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47577	Strand	+
Start	8749	End	12618
Name	OJ990605_34.9B05.C8.o3.np	Method	AAT/NAP
Start	8749	End	12618
GI	5091513	Score	2229
Exons	8749..8778, 9655..9719, 9854..10531, 11275..12618		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47578	Strand	-
Start	746	End	4072
Name	OJ990605_34.9B05.C8.o1.np	Method	AAT/NAP
Start	746	End	4072
GI	6539553	Score	4783
Exons	746..4072		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47578	Strand	-
Start	746	End	4072
Name	OJ990605_34.9B05.C8.o2.gs	Method	GENSCAN
Start	3257	End	3979
GI	none	Score	.76
Exons	3257..3979		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o2.tw	Method	TBLASTX:Wheat
Start	882	End	1359
GI	none	Score	138
Exons	882..1004, 882..995, 917..1006, 920..1003, 996..1268, 1008..1268, 1009..1275, 1090..1269, 1270..1353, 1278..1358, 1278..1358, 1288..1359		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o4.ts	Method	TBLASTX:Soybean
Start	1011	End	1352
GI	none	Score	91
Exons	1011..1220, 1032..1220, 1239..1352, 1246..1326		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	1215	End	1554
GI	none	Score	214
Exons	1215..1553, 1216..1554		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o2.ts	Method	TBLASTX:Soybean
Start	1365	End	1710
GI	none	Score	119
Exons	1365..1709, 1510..1710		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494

Name	OJ990605_34.9B05.C8.o3.tw	Method	TBLASTX:Wheat
Start	1563	End	2108
GI	none	Score	43
Exons	1563..1769, 1593..1742, 1764..2108, 1788..1961		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	1662	End	2109
GI	none	Score	61
Exons	1662..2108, 1747..1857, 1791..1973, 1927..2109		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	1779	End	2243
GI	5509260	Score	60
Exons	1779..2243, 1786..1857, 1930..2025, 2074..2142		
GI Descrip.	-		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o1.tc	Method	TBLASTX:Cress.
Start	1890	End	2150
GI	none	Score	277
Exons	1890..2150		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	2163	End	2917
GI	none	Score	176
Exons	2163..2402, 2167..2322, 2180..2410, 2183..2377, 2431..2703, 2469..2705, 2473..2706, 2660..2917, 2787..2909		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o3.ts	Method	TBLASTX:Soybean
Start	2568	End	2965
GI	none	Score	48
Exons	2568..2684, 2593..2652, 2684..2740, 2694..2732, 2741..2965, 2756..2950, 2787..2957		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
Gene No.	47579	Strand	-
Start	8389	End	8494
Name	OJ990605_34.9B05.C8.o5.tm	Method	TBLASTX:Maize
Start	2753	End	3187
GI	none	Score	75
Exons	2753..3187, 2778..2972		

Seq. No.	22869	Seq. ID	OJ990605_34.9B05.C8
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Gene No. 47579
 Start 8389
 Name OJ990605_34.9B05.C8.o5.tw
 Start 2918
 GI none
 Exons 2918..3112, 2918..3109

Strand -
 End 8494
 Method TBLASTX:Wheat
 End 3112
 Score 184

Seq. No. 22869
 Gene No. 47579
 Start 8389
 Name OJ990605_34.9B05.C8.o5.ts
 Start 2975
 GI none
 Exons 2975..3223, 3206..3361

Seq. ID OJ990605_34.9B05.C8
 Strand -
 End 8494
 Method TBLASTX:Soybean
 End 3361
 Score 88

Seq. No. 22869
 Gene No. 47579
 Start 8389
 Name OJ990605_34.9B05.C8.o4.tm
 Start 3305
 GI none
 Exons 3305..3367, 3324..3368, 3379..3525, 3383..3619, 3390..3617

Seq. ID OJ990605_34.9B05.C8
 Strand -
 End 8494
 Method TBLASTX:Maize
 End 3619
 Score 44

Seq. No. 22869
 Gene No. 47579
 Start 8389
 Name OJ990605_34.9B05.C8.o2.tm
 Start 3632
 GI none
 Exons 3632..3943, 3633..3920, 3635..3937

Seq. ID OJ990605_34.9B05.C8
 Strand -
 End 8494
 Method TBLASTX:Maize
 End 3943
 Score 267

Seq. No. 22869
 Gene No. 47579
 Start 8389
 Name OJ990605_34.9B05.C8.o4.tw
 Start 3693
 GI none
 Exons 3693..3962, 3694..3954, 3695..3991, 3695..4078, 4011..4067

Seq. ID OJ990605_34.9B05.C8
 Strand -
 End 8494
 Method TBLASTX:Wheat
 End 4078
 Score 200

Seq. No. 22869
 Gene No. 47579
 Start 8389
 Name OJ990605_34.9B05.C8.o1.gp
 Start 8389
 GI 5816518
 Exons 8389..8494

Seq. ID OJ990605_34.9B05.C8
 Strand -
 End 8494
 Method AAT/GAP
 End 8494
 Score 150

GI Descrip. 4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene

Seq. No. 22870
 Gene No. 47580
 Start 1
 Name OJ990605_34.9B05.C9.o1.np
 Start 1
 GI 5091513
 Exons 1..770, 1942..1976

Seq. ID OJ990605_34.9B05.C9
 Strand +
 End 1976
 Method AAT/NAP
 End 1976
 Score 764

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No. 22870
 Gene No. 47580
 Start 1
 Name OJ990605_34.9B05.C9.o1.gs
 Start 199
 GI none
 Exons 199..592, 647..1074

Seq. ID OJ990605_34.9B05.C9
 Strand +
 End 1976
 Method GENSCAN
 End 1074
 Score .64

Seq. No. 22870
 Gene No. 47581
 Start 4334
 Name OJ990605_34.9B05.C9.o2.np
 Start 4334
 GI 4680179
 Exons 4334..8797
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. ID OJ990605_34.9B05.C9
 Strand -
 End 8797
 Method AAT/NAP
 End 8797
 Score 5658

Seq. No. 22870
 Gene No. 47582
 Start 9019
 Name OJ990605_34.9B05.C9.o6.tw
 Start 4379
 GI none
 Exons 4379..4711, 4431..4712

Seq. ID OJ990605_34.9B05.C9
 Strand -
 End 9807
 Method TBLASTX:Wheat
 End 4712
 Score 127

Seq. No. 22870
 Gene No. 47582
 Start 9019
 Name OJ990605_34.9B05.C9.o1.tm
 Start 4574
 GI none
 Exons 4574..4999, 4575..4772, 4589..4840, 4827..5000, 4995..5144, 4997..5158, 5004..5159

Seq. ID OJ990605_34.9B05.C9
 Strand -
 End 9807
 Method TBLASTX:Maize
 End 5159
 Score 104

Seq. No. 22870
 Gene No. 47582
 Start 9019
 Name OJ990605_34.9B05.C9.o1.tw
 Start 4712
 GI none
 Exons 4712..5338, 4713..4772, 4830..5279, 4991..5335

Seq. ID OJ990605_34.9B05.C9
 Strand -
 End 9807
 Method TBLASTX:Wheat
 End 5338
 Score 44

Seq. No. 22870
 Gene No. 47582
 Start 9019
 Name OJ990605_34.9B05.C9.o3.tm
 Start 5207
 GI none
 Exons 5207..5497, 5211..5498, 5212..5499

Seq. ID OJ990605_34.9B05.C9
 Strand -
 End 9807
 Method TBLASTX:Maize
 End 5499
 Score 296

Seq. No. 22870
 Gene No. 47582
 Start 9019
 Name OJ990605_34.9B05.C9.o2.ts
 Start 5297
 GI none

Seq. ID OJ990605_34.9B05.C9
 Strand -
 End 9807
 Method TBLASTX:Soybean
 End 5557
 Score 185

Exons 5297..5557, 5298..5546

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o3.tw	Method	TBLASTX:Wheat
Start	5345	End	5883
GI	none	Score	215
Exons	5345..5563, 5349..5564, 5546..5599, 5546..5743, 5569..5883, 5651..5701		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o2.tm	Method	TBLASTX:Maize
Start	5911	End	6264
GI	none	Score	208
Exons	5911..6264, 5918..6259		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o2.tw	Method	TBLASTX:Wheat
Start	5911	End	6336
GI	none	Score	312
Exons	5911..6336, 5918..6334		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o3.ts	Method	TBLASTX:Soybean
Start	6082	End	6330
GI	none	Score	206
Exons	6082..6330		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o5.tm	Method	TBLASTX:Maize
Start	6271	End	6603
GI	none	Score	144
Exons	6271..6603, 6272..6550		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o5.tw	Method	TBLASTX:Wheat
Start	6337	End	6600
GI	none	Score	250
Exons	6337..6600, 6338..6598		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	6352	End	6747
GI	none	Score	189

Exons 6352..6603, 6362..6595, 6658..6711, 6668..6709, 6715..6747, 6715..6747

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o4.tm	Method	TBLASTX:Maize
Start	6658	End	7105
GI	none	Score	111
Exons	6658..7101, 6668..7105		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o4.tw	Method	TBLASTX:Wheat
Start	6687	End	7171
GI	none	Score	239
Exons	6687..7061, 6688..7170, 6691..7167, 6731..7171		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o4.ts	Method	TBLASTX:Soybean
Start	6820	End	7134
GI	none	Score	198
Exons	6820..7134		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o7.tm	Method	TBLASTX:Maize
Start	7106	End	7299
GI	none	Score	156
Exons	7106..7261, 7108..7299		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o8.tw	Method	TBLASTX:Wheat
Start	7303	End	7656
GI	none	Score	93
Exons	7303..7656, 7340..7480		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o7.tw	Method	TBLASTX:Wheat
Start	7990	End	8341
GI	none	Score	50
Exons	7990..8340, 8124..8192, 8168..8341		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o6.tm	Method	TBLASTX:Maize
Start	8035	End	8340
GI	none	Score	76

Exons 8035..8340, 8189..8314

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o9.tw	Method	TBLASTX:Wheat
Start	8392	End	8590
GI	none	Score	130
Exons	8392..8589, 8393..8590		

Seq. No.	22870	Seq. ID	OJ990605_34.9B05.C9
Gene No.	47582	Strand	-
Start	9019	End	9807
Name	OJ990605_34.9B05.C9.o3.np	Method	AAT/NAP
Start	9019	End	9807
GI	4512231	Score	1279
Exons	9019..9807		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47583	Strand	+
Start	8954	End	10741
Name	OJ990605_34.9B05.C10.o3.gs	Method	GENSCAN
Start	8954	End	10741
GI	none	Score	.6
Exons	8954..9057, 9583..9613, 9748..9836, 9993..10198, 10686..10741		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47584	Strand	+
Start	10971	End	11256
Name	OJ990605_34.9B05.C10.o4.gp	Method	AAT/GAP
Start	10971	End	11256
GI	none	Score	545
Exons	10971..11256		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47585	Strand	-
Start	2290	End	2395
Name	OJ990605_34.9B05.C10.o1.gp	Method	AAT/GAP
Start	2290	End	2395
GI	5816518	Score	151
Exons	2290..2395		
GI Descrip.	4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47586	Strand	-
Start	2404	End	2632
Name	OJ990605_34.9B05.C10.o2.gp	Method	AAT/GAP
Start	2404	End	2632
GI	3761181	Score	342
Exons	2404..2632		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47587	Strand	-

Start	4774	End	7838
Name	OJ990605_34.9B05.C10.o2.gs	Method	GENSCAN
Start	4774	End	7838
GI	none	Score	.95
Exons	4774..4998, 6511..7350, 7719..7838		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47587	Strand	-
Start	4774	End	7838
Name	OJ990605_34.9B05.C10.o1.np	Method	AAT/NAP
Start	4777	End	7253
GI	2792155	Score	781
Exons	4777..4998, 6511..7253		
GI Descrip.	(AJ223291) chalcone reductase [Sesbania rostrata]		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	4774	End	7229
GI	none	Score	75
Exons	4774..5007, 4777..4986, 4808..4999, 6508..6624, 6625..6837, 6761..6847, 6889..7032, 7105..7137, 7158..7229		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o3.tc	Method	TBLASTX:Cress
Start	4774	End	5017
GI	none	Score	63
Exons	4774..4893, 4870..5004, 4943..5017		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	4846	End	6852
GI	none	Score	147
Exons	4846..5001, 4846..5007, 6508..6633, 6509..6634, 6622..6852, 6623..6835		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o1.tc	Method	TBLASTX:Cress
Start	6544	End	7211
GI	none	Score	60
Exons	6544..6627, 6622..6801, 6907..6948, 6940..7032, 7105..7149, 7164..7211		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o2.tm	Method	TBLASTX:Maize
Start	6898	End	7232
GI	none	Score	105
Exons	6898..7023, 6898..7149, 6980..7150, 7155..7232, 7156..7224		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o2.np	Method	AAT/NAP
Start	11127	End	15644
GI	1352681	Score	315
Exons	11127..11286, 11350..11500, 14189..14294, 15549..15644		
GI Descrip.	PROTEIN PHOSPHATASE 2C (PP2C) gi 1076391 pir S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana gi 633028 dbj BAA07287 (D38109) protein phosphatase 2C [Arabidopsis thaliana] gi 6006880 gb AAF00655.1 AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o4.gs	Method	GENSCAN
Start	11142	End	11540
GI	none	Score	.47
Exons	11142..11540		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o2.tc	Method	TBLASTX:Cress
Start	11148	End	14297
GI	none	Score	106
Exons	11148..11198, 11349..11501, 11350..11502, 14184..14297, 14188..14295		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o2.ts	Method	TBLASTX:Soybean
Start	11157	End	14297
GI	none	Score	44
Exons	11157..11225, 11334..11501, 11335..11502, 14184..14297, 14188..14295		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o3.tm	Method	TBLASTX:Maize
Start	11334	End	14297
GI	none	Score	117
Exons	11334..11501, 11350..11502, 14184..14297, 14188..14295		

Seq. No.	22871	Seq. ID	OJ990605_34.9B05.C10
Gene No.	47588	Strand	-
Start	11142	End	15644
Name	OJ990605_34.9B05.C10.o1.tw	Method	TBLASTX:Wheat
Start	11349	End	14297
GI	none	Score	71
Exons	11349..11498, 11350..11502, 11352..11501, 14184..14297, 14188..14295		

Seq. No.	22872	Seq. ID	OJ990605_34.9B05.C11
Gene No.	47589	Strand	-
Start	1	End	979
Name	OJ990605_34.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	979
GI	4336434	Score	66
Exons	1..101, 461..612, 681..861, 914..979		
GI Descrip.	(AF092431) nodule-enhanced protein phosphatase type 2C [Lotus japonicus]		

Seq. No.	22873	Seq. ID	OJ990605_34.9B05.C12
Gene No.	47590	Strand	+
Start	1	End	1909
Name	OJ990605_34.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	1909
GI	6523547	Score	220
Exons	1..141, 1019..1704, 1817..1909		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	22873	Seq. ID	OJ990605_34.9B05.C12
Gene No.	47590	Strand	+
Start	1	End	1909
Name	OJ990605_34.9B05.C12.o1.gs	Method	GENSCAN
Start	1032	End	1799
GI	none	Score	.45
Exons	1032..1799		

Seq. No.	22874	Seq. ID	OJ990605_34.9B05.C13
Gene No.	47591	Strand	+
Start	2041	End	2170
Name	OJ990605_34.9B05.C13.o1.gp	Method	AAT/GAP
Start	2041	End	2170
GI	533 1.R1084	Score	88
Exons	2041..2082, 2105..2170		
GI Descrip.	'113172/sp P15543 ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir_S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	22874	Seq. ID	OJ990605_34.9B05.C13
Gene No.	47592	Strand	
Start	2963	End	3527
Name	OJ990605_34.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	2963	End	3434
GI	none	Score	309
Exons	2963..3151, 2964..3335, 3201..3335, 3348..3434, 3365..3433		

Seq. No.	22874	Seq. ID	OJ990605_34.9B05.C13
Gene No.	47592	Strand	
Start	2963	End	3527
Name	OJ990605_34.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	3159	End	3527
GI	none	Score	330
Exons	3159..3527, 3216..3323, 3360..3422		

Seq. No.	22875	Seq. ID	OJ990605_34.9B05.C14
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Gene No.	47593	Strand	-
Start	6264	End	7660
Name	OJ990605_34.9B05.C14.o4.tm	Method	TBLASTX:Maize
Start	1	End	298
GI	none	Score	198
Exons	1..198, 3..182, 236..298		

Seq. No.	22875	Seq. ID	OJ990605_34.9B05.C14
Gene No.	47593	Strand	-
Start	6264	End	7660
Name	OJ990605_34.9B05.C14.o1.np	Method	AAT/NAP
Start	6264	End	7660
GI	2443320	Score	2073
Exons	6264..7660		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	22875	Seq. ID	OJ990605_34.9B05.C14
Gene No.	47593	Strand	-
Start	6264	End	7660
Name	OJ990605_34.9B05.C14.o3.tm	Method	TBLASTX:Maize
Start	6274	End	6707
GI	none	Score	99
Exons	6274..6495, 6279..6509, 6520..6654, 6531..6707		

Seq. No.	22875	Seq. ID	OJ990605_34.9B05.C14
Gene No.	47593	Strand	-
Start	6264	End	7660
Name	OJ990605_34.9B05.C14.o2.tw	Method	TBLASTX:Wheat
Start	6303	End	6791
GI	none	Score	324
Exons	6303..6791, 6304..6786, 6569..6790		

Seq. No.	22875	Seq. ID	OJ990605_34.9B05.C14
Gene No.	47593	Strand	-
Start	6264	End	7660
Name	OJ990605_34.9B05.C14.o2.ts	Method	TBLASTX:Soybean
Start	6399	End	6893
GI	none	Score	64
Exons	6399..6503, 6531..6893, 6592..6699		

Seq. No.	22875	Seq. ID	OJ990605_34.9B05.C14
Gene No.	47593	Strand	-
Start	6264	End	7660
Name	OJ990605_34.9B05.C14.o2.tm	Method	TBLASTX:Maize
Start	6771	End	7190
GI	none	Score	54
Exons	6771..7076, 7053..7190		

Seq. No.	22875	Seq. ID	OJ990605_34.9B05.C14
Gene No.	47593	Strand	-
Start	6264	End	7660
Name	OJ990605_34.9B05.C14.o1.tw	Method	TBLASTX:Wheat
Start	6864	End	7659
GI	none	Score	283
Exons	6864..7328, 6865..7284, 6894..7292, 7211..7300, 7253..7654, 7314..7658, 7326..7655, 7342..7659		

Seq. No. 22875
 Gene No. 47593
 Start 6264
 Name OJ990605_34.9B05.C14.o1.tm
 Start 7227
 GI none
 Exons 7227..7640, 7366..7659

Seq. ID OJ990605_34.9B05.C14
 Strand -
 End 7660
 Method TBLASTX:Maize
 End 7659
 Score 151

Seq. No. 22875
 Gene No. 47593
 Start 6264
 Name OJ990605_34.9B05.C14.o1.ts
 Start 7353
 GI 5509260
 Exons 7353..7640, 7366..7503, 7537..7641
 GI Descrip. -

Seq. ID OJ990605_34.9B05.C14
 Strand -
 End 7660
 Method TBLASTX:Soybean
 End 7641
 Score 92

Seq. No. 22876
 Gene No. 47594
 Start 5
 Name OJ990605_34.9B05.C15.o1.gs
 Start 5
 GI none
 Exons 5..637

Seq. ID OJ990605_34.9B05.C15
 Strand +
 End 637
 Method GENSCAN
 End 637
 Score .48

Seq. No. 22877
 Gene No. 47595
 Start 1
 Name OJ990605_34.9B05.C16.o1.np
 Start 1
 GI 2443320
 Exons 1..1690
 GI Descrip. (D85597) polyprotein [Oryza australiensis]

Seq. ID OJ990605_34.9B05.C16
 Strand -
 End 1690
 Method AAT/NAP
 End 1690
 Score 2324

Seq. No. 22877
 Gene No. 47595
 Start 1
 Name OJ990605_34.9B05.C16.o1.tc
 Start 291
 GI none
 Exons 291..503, 609..815

Seq. ID OJ990605_34.9B05.C16
 Strand -
 End 1690
 Method TBLASTX:Cress
 End 815
 Score 121

Seq. No. 22877
 Gene No. 47595
 Start 1
 Name OJ990605_34.9B05.C16.o1.tm
 Start 378
 GI none
 Exons 378..533, 519..596, 615..923

Seq. ID OJ990605_34.9B05.C16
 Strand -
 End 1690
 Method TBLASTX:Maize
 End 923
 Score 212

Seq. No. 22877
 Gene No. 47595
 Start 1
 Name OJ990605_34.9B05.C16.o1.ts
 Start 396
 GI none
 Exons 396..533, 519..599, 600..827, 601..825

Seq. ID OJ990605_34.9B05.C16
 Strand -
 End 1690
 Method TBLASTX:Soybean
 End 827
 Score 90

Seq. No.	22877	Seq. ID	OJ990605_34.9B05.C16
Gene No.	47595	Strand	-
Start	1	End	1690
Name	OJ990605_34.9B05.C16.o1.tw	Method	TBLASTX:Wheat
Start	396	End	1061
GI	none	Score	570
Exons	396..1061, 415..1035, 446..1045		

Seq. No.	22877	Seq. ID	OJ990605_34.9B05.C16
Gene No.	47595	Strand	-
Start	1	End	1690
Name	OJ990605_34.9B05.C16.o2.ts	Method	TBLASTX:Soybean
Start	837	End	1220
GI	none	Score	97
Exons	837..1061, 1047..1220		

Seq. No.	22877	Seq. ID	OJ990605_34.9B05.C16
Gene No.	47595	Strand	-
Start	1	End	1690
Name	OJ990605_34.9B05.C16.o2.tw	Method	TBLASTX:Wheat
Start	1062	End	1530
GI	none	Score	119
Exons	1062..1283, 1081..1227, 1091..1237, 1216..1494, 1281..1493, 1283..1498, 1285..1530		

Seq. No.	22878	Seq. ID	OJ990605_34.9B05.C17
Gene No.	47596	Strand	-
Start	1	End	727
Name	OJ990605_34.9B05.C17.o1.np	Method	AAT/NAP
Start	1	End	727
GI	2443320	Score	864
Exons	1..727		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	22878	Seq. ID	OJ990605_34.9B05.C17
Gene No.	47596	Strand	-
Start	1	End	727
Name	OJ990605_34.9B05.C17.o1.tw	Method	TBLASTX:Wheat
Start	183	End	529
GI	none	Score	68
Exons	183..395, 200..529		

Seq. No.	22878	Seq. ID	OJ990605_34.9B05.C17
Gene No.	47596	Strand	-
Start	1	End	727
Name	OJ990605_34.9B05.C17.o1.gs	Method	GENSCAN
Start	337	End	724
GI	none	Score	.93
Exons	337..724		

Seq. No.	22879	Seq. ID	OJ990605_34.9B05.C18
Gene No.	47597	Strand	+
Start	684	End	1311
Name	OJ990605_34.9B05.C18.o1.gs	Method	GENSCAN
Start	684	End	1311
GI	none	Score	.83

Exons 684..751, 1179..1311

Seq. No.	22879	Seq. ID	OJ990605_34.9B05.C18
Gene No.	47598	Strand	-
Start	2239	End	2511
Name	OJ990605_34.9B05.C18.o2.gs	Method	GENSCAN
Start	2239	End	2511
GI	none	Score	.6
Exons	2239..2511		

Seq. No.	22879	Seq. ID	OJ990605_34.9B05.C18
Gene No.	47599	Strand	-
Start	3242	End	4630
Name	OJ990605_34.9B05.C18.o3.gs	Method	GENSCAN
Start	3242	End	4630
GI	none	Score	.61
Exons	3242..3336, 3421..3442, 4574..4630		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47600	Strand	+
Start	9020	End	9665
Name	OJ990605_34.9B05.C19.o3.gs	Method	GENSCAN
Start	9020	End	9665
GI	none	Score	.55
Exons	9020..9127, 9606..9665		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47601	Strand	+
Start	16232	End	17755
Name	OJ990605_34.9B05.C19.o5.gs	Method	GENSCAN
Start	16232	End	17589
GI	none	Score	.47
Exons	16232..16727, 17507..17589		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47601	Strand	+
Start	16232	End	17755
Name	OJ990605_34.9B05.C19.o3.np	Method	AAT/NAP
Start	16298	End	17755
GI	1628482	Score	136
Exons	16298..16681, 17712..17755		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47602	Strand	-
Start	2139	End	8782
Name	OJ990605_34.9B05.C19.o1.gp	Method	AAT/GAP
Start	2139	End	8782
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	2139..2179, 8702..8782		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47602	Strand	-
Start	2139	End	8782

Name	OJ990605_34.9B05.C19.o1.np	Method	AAT/NAP
Start	5293	End	6985
GI	6907086	Score	531
Exons	5293..5647, 5859..6185, 6241..6985		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47603	Strand	-
Start	12872	End	15524
Name	OJ990605_34.9B05.C19.o4.gs	Method	GENSCAN
Start	12872	End	15524
GI	none	Score	.88
Exons	12872..12939, 13800..13925, 14074..14132, 15011..15140, 15491..15524		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47604	Strand	-
Start	18917	End	19071
Name	OJ990605_34.9B05.C19.o1.tm	Method	TBLASTX:Maize
Start	11402	End	12249
GI	none	Score	405
Exons	11402..11962, 11413..11670, 11743..11850, 11875..11961, 11960..12208, 11974..12036, 12073..12249		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47604	Strand	-
Start	18917	End	19071
Name	OJ990605_34.9B05.C19.o1.tw	Method	TBLASTX:Wheat
Start	11438	End	11686
GI	none	Score	270
Exons	11438..11686, 11464..11658		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47604	Strand	-
Start	18917	End	19071
Name	OJ990605_34.9B05.C19.o3.tw	Method	TBLASTX:Wheat
Start	12100	End	12652
GI	none	Score	58
Exons	12100..12474, 12101..12205, 12233..12478, 12281..12475, 12554..12652		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47604	Strand	-
Start	18917	End	19071
Name	OJ990605_34.9B05.C19.o3.tm	Method	TBLASTX:Maize
Start	12272	End	12520
GI	none	Score	228
Exons	12272..12520, 12346..12489		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47604	Strand	-
Start	18917	End	19071
Name	OJ990605_34.9B05.C19.o2.tm	Method	TBLASTX:Maize
Start	12553	End	13009
GI	none	Score	298
Exons	12553..12915, 12554..12922, 12953..13009, 12958..13008		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47604	Strand	-
Start	18917	End	19071
Name	OJ990605_34.9B05.C19.o2.tw	Method	TBLASTX:Wheat
Start	12740	End	13118
GI	none	Score	200
Exons	12740..13012, 12871..13008, 12988..13116, 12999..13118		

Seq. No.	22880	Seq. ID	OJ990605_34.9B05.C19
Gene No.	47604	Strand	-
Start	18917	End	19071
Name	OJ990605_34.9B05.C19.o6.gs	Method	GENSCAN
Start	18917	End	19071
GI	none	Score	.54
Exons	18917..19071		

Seq. No.	22881	Seq. ID	OJ990605_34.9B05.C20
Gene No.	47605	Strand	+
Start	1034	End	1737
Name	OJ990605_34.9B05.C20.o2.gs	Method	GENSCAN
Start	1034	End	1737
GI	none	Score	.83
Exons	1034..1139, 1604..1737		

Seq. No.	22881	Seq. ID	OJ990605_34.9B05.C20
Gene No.	47606	Strand	-
Start	67	End	428
Name	OJ990605_34.9B05.C20.o1.gs	Method	GENSCAN
Start	67	End	428
GI	none	Score	.79
Exons	67..264, 336..428		

Seq. No.	22882	Seq. ID	OJ990605_34.9B05.C23
Gene No.	47607	Strand	+
Start	472	End	1106
Name	OJ990605_34.9B05.C23.o1.np	Method	AAT/NAP
Start	472	End	1106
GI	2498930	Score	745
Exons	472..535, 703..1106		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	22882	Seq. ID	OJ990605_34.9B05.C23
Gene No.	47607	Strand	+
Start	472	End	1106
Name	OJ990605_34.9B05.C23.o1.gs	Method	GENSCAN
Start	476	End	1005
GI	none	Score	.47
Exons	476..535, 703..1005		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47608	Strand	+
Start	1291	End	4934
Name	OJ990815_36.9B15.C2.o1.np	Method	AAT/NAP
Start	1291	End	4931
GI	2832625	Score	1065
Exons	1291..1335, 3346..3639, 3739..3863, 4004..4249, 4354..4609,		

4711..4931
 GI Descrip. (AL021711) putative protein [Arabidopsis thaliana]

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47608	Strand	+
Start	1291	End	4934
Name	OJ990815_36.9B15.C2.o2.gs	Method	GENSCAN
Start	3255	End	4934
GI	none	Score	.91
Exons	3255..3639, 3739..3863, 4004..4249, 4354..4609, 4711..4934		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47609	Strand	-
Start	5089	End	8903
Name	OJ990815_36.9B15.C2.o1.gp	Method	AAT/GAP
Start	5089	End	6271
GI	17240 1.R1084	Score	1386
Exons	5089..5503, 5624..5735, 5933..6054, 6182..6271		
GI Descrip.	'2832623/emb CAA16752.1 6.0e-33 (AL021711) protein kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47609	Strand	-
Start	5089	End	8903
Name	OJ990815_36.9B15.C2.o3.gs	Method	GENSCAN
Start	5399	End	8819
GI	none	Score	.9
Exons	5399..5503, 5624..5735, 5933..6054, 6182..6267, 6392..6517, 6982..6993, 7410..7462, 7649..7734, 7927..8022, 8119..8193, 8478..8819		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47609	Strand	-
Start	5089	End	8903
Name	OJ990815_36.9B15.C2.o2.np	Method	AAT/NAP
Start	5408	End	8768
GI	2832623	Score	885
Exons	5408..5503, 5624..5735, 5933..6054, 6182..6267, 6392..6510, 6751..6830, 7410..7530, 7649..7734, 7927..8022, 8119..8193, 8478..8768		
GI Descrip.	(AL021711) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47609	Strand	-
Start	5089	End	8903
Name	OJ990815_36.9B15.C2.o2.gp	Method	AAT/GAP
Start	8478	End	8903
GI	uC-osroM202030a07b1	Score	836
Exons	8478..8903		
GI Descrip.	'2832623/emb CAA16752.1 4.0e-17 (AL021711) protein kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o1.tc	Method	TBLASTX:Cress
Start	3471	End	4934

GI	none	Score	169
Exons	3471..3590, 3479..3589, 3587..3637, 3588..3644, 3717..3863, 3737..3862, 4003..4227, 4004..4264, 4356..4430, 4357..4431, 4438..4611, 4536..4610, 4697..4924, 4698..4934		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o3.tm	Method	TBLASTX:Maize
Start	3471	End	3865
GI	none	Score	274
Exons	3471..3644, 3473..3637, 3716..3862, 3735..3863, 3740..3865		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o2.ts	Method	TBLASTX:Soybean
Start	3473	End	4204
GI	none	Score	249
Exons	3473..3637, 3474..3644, 3735..3863, 3737..3862, 4003..4203, 4004..4204		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o1.tm	Method	TBLASTX:Maize
Start	3997	End	4569
GI	none	Score	305
Exons	3997..4224, 4001..4264, 4351..4533, 4355..4438, 4356..4463, 4357..4533, 4534..4569		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o1.ts	Method	TBLASTX:Soybean
Start	4205	End	4934
GI	none	Score	55
Exons	4205..4264, 4338..4463, 4351..4611, 4357..4599, 4698..4934, 4709..4909		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o6.tm	Method	TBLASTX:Maize
Start	4709	End	4937
GI	none	Score	187
Exons	4709..4924, 4733..4936, 4761..4937, 4845..4934, 4846..4935		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o2.tm	Method	TBLASTX:Maize
Start	5308	End	6473
GI	none	Score	40
Exons	5308..5382, 5330..5383, 5377..5511, 5392..5505, 5400..5513, 5624..5734, 5625..5735, 5931..6056, 5932..6057, 5933..6055, 6179..6268, 6179..6271, 6183..6272, 6186..6272, 6372..6473,		

6385..6471

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o4.ts	Method	TBLASTX:Soybean
Start	5441	End	6842
GI	none	Score	60
Exons	5441..5506, 5621..5734, 5622..5735, 5932..6057, 5935..6057, 6179..6265, 6192..6260, 6447..6509, 6453..6509, 6466..6510, 6590..6694, 6592..6654, 6600..6695, 6750..6842, 6751..6831		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o3.tc	Method	TBLASTX:Cress
Start	5675	End	6626
GI	none	Score	70
Exons	5675..5734, 5935..6057, 5950..6057, 6179..6274, 6183..6263, 6447..6509, 6466..6510, 6590..6625, 6600..6626		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o5.tm	Method	TBLASTX:Maize
Start	6474	End	8025
GI	none	Score	67
Exons	6474..6509, 6476..6508, 6590..6688, 6593..6664, 6600..6683, 6601..6687, 6750..6842, 6751..6831, 7401..7529, 7408..7524, 7410..7529, 7411..7530, 7643..7735, 7644..7736, 7647..7745, 7648..7737, 7648..7770, 7925..8023, 7926..8021, 7927..8025, 7931..8023		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o3.ts	Method	TBLASTX:Soybean
Start	7422	End	8777
GI	none	Score	80
Exons	7422..7523, 7422..7526, 7423..7527, 7648..7782, 7649..7735, 7927..8022, 7928..8023, 8072..8194, 8077..8193, 8478..8681, 8479..8595, 8736..8777, 8737..8775		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o2.tc	Method	TBLASTX:Cress
Start	8134	End	8777
GI	none	Score	66
Exons	8134..8193, 8134..8193, 8478..8693, 8479..8598, 8739..8777		

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o4.tm	Method	TBLASTX:Maize
Start	8143	End	8778
GI	none	Score	64

Exons 8143..8193, 8146..8193, 8478..8687, 8478..8690, 8479..8733, 8725..8778, 8736..8777

Seq. No.	22883	Seq. ID	OJ990815_36.9B15.C2
Gene No.	47610	Strand	-
Start	10485	End	11281
Name	OJ990815_36.9B15.C2.o4.gs	Method	GENSCAN
Start	10485	End	11281
GI	none	Score	.49
Exons	10485..10598, 10871..11281		

Seq. No.	22884	Seq. ID	OJ990815_36.9B15.C3
Gene No.	47611	Strand	+
Start	3370	End	3882
Name	OJ990815_36.9B15.C3.o1.tc	Method	TBLASTX:Cress
Start	3366	End	3755
GI	none	Score	165
Exons	3366..3587, 3367..3588, 3696..3755		

Seq. No.	22884	Seq. ID	OJ990815_36.9B15.C3
Gene No.	47611	Strand	+
Start	3370	End	3882
Name	OJ990815_36.9B15.C3.o1.gs	Method	GENSCAN
Start	3370	End	3573
GI	none	Score	.4
Exons	3370..3573		

Seq. No.	22884	Seq. ID	OJ990815_36.9B15.C3
Gene No.	47611	Strand	+
Start	3370	End	3882
Name	OJ990815_36.9B15.C3.o1.np	Method	AAT/NAP
Start	3373	End	3882
GI	4903139	Score	199
Exons	3373..3573, 3696..3757, 3852..3882		
GI Descrip.	(AB027456) extensive homology to FT (FLOWERING LOCUS T, AB027504) and TSF (TWIN SISTER OF FT, AB027506) genes of Arabidopsis thaliana; similar to mammalian phosphatidylethanolamine binding protein (PEBP) and hippocampal cholin...		

Seq. No.	22884	Seq. ID	OJ990815_36.9B15.C3
Gene No.	47611	Strand	+
Start	3370	End	3882
Name	OJ990815_36.9B15.C3.o1.tm	Method	TBLASTX:Maize
Start	3390	End	3756
GI	none	Score	184
Exons	3390..3587, 3391..3588, 3696..3755, 3700..3756, 3700..3756		

Seq. No.	22884	Seq. ID	OJ990815_36.9B15.C3
Gene No.	47611	Strand	+
Start	3370	End	3882
Name	OJ990815_36.9B15.C3.o1.ts	Method	TBLASTX:Soybean
Start	3390	End	3755
GI	none	Score	191
Exons	3390..3569, 3391..3588, 3696..3755		

Seq. No.	22885	Seq. ID	OJ990815_36.9B15.C4
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Gene No.	47612	Strand	+
Start	74	End	4740
Name	OJ990815_36.9B15.C4.o1.np	Method	AAT/NAP
Start	74	End	1599
GI	4903139	Score	216
Exons	74..172, 1373..1599		
GI Descrip.	(AB027456) extensive homology to FT (FLOWERING LOCUS T, AB027504) and TSF (TWIN SISTER OF FT, AB027506) genes of Arabidopsis thaliana; similar to mammalian phosphatidylethanolamine binding protein (PEBP) and hippocampal cholin...		

Seq. No.	22885	Seq. ID	OJ990815_36.9B15.C4
Gene No.	47612	Strand	+
Start	74	End	4740
Name	OJ990815_36.9B15.C4.o1.gs	Method	GENSCAN
Start	449	End	4740
GI	none	Score	.71
Exons	449..467, 656..703, 1376..1595, 2621..2754, 2965..3032, 3566..3672, 3827..3894, 4107..4237, 4516..4621, 4691..4740		

Seq. No.	22885	Seq. ID	OJ990815_36.9B15.C4
Gene No.	47612	Strand	+
Start	74	End	4740
Name	OJ990815_36.9B15.C4.o1.tm	Method	TBLASTX:Maize
Start	1375	End	1610
GI	none	Score	302
Exons	1375..1563, 1377..1610, 1410..1607		

Seq. No.	22885	Seq. ID	OJ990815_36.9B15.C4
Gene No.	47612	Strand	+
Start	74	End	4740
Name	OJ990815_36.9B15.C4.o1.ts	Method	TBLASTX:Soybean
Start	1375	End	1589
GI	none	Score	187
Exons	1375..1563, 1416..1589		

Seq. No.	22886	Seq. ID	OJ990815_36.9B15.C5
Gene No.	47613	Strand	-
Start	218	End	523
Name	OJ990815_36.9B15.C5.o1.gs	Method	GENSCAN
Start	218	End	523
GI	none	Score	.71
Exons	218..523		

Seq. No.	22887	Seq. ID	OJ990815_36.9B15.C6
Gene No.	47614	Strand	-
Start	2099	End	2234
Name	OJ990815_36.9B15.C6.o2.gs	Method	GENSCAN
Start	2099	End	2234
GI	none	Score	.51
Exons	2099..2234		

Seq. No.	22888	Seq. ID	OJ990815_36.9B15.C7
Gene No.	47615	Strand	+
Start	348	End	1447
Name	OJ990815_36.9B15.C7.o1.gs	Method	GENSCAN

Start 348
 GI none
 Exons 348..432, 1300..1447

End 1447
 Score .45

Seq. No. 22889
 Gene No. 47616
 Start 12
 Name OJ990815_36.9B15.C8.o1.gp
 Start 12
 GI 2427862
 Exons 12..298

Seq. ID OJ990815_36.9B15.C8
 Strand +
 End 742
 Method AAT/GAP
 End 298
 Score 502

Seq. No. 22889
 Gene No. 47616
 Start 12
 Name OJ990815_36.9B15.C8.o1.tm
 Start 135
 GI none
 Exons 135..245, 138..182, 142..249, 143..250, 307..444, 313..408, 354..443

Seq. ID OJ990815_36.9B15.C8
 Strand +
 End 742
 Method TBLASTX:Maize
 End 444
 Score 70

Seq. No. 22889
 Gene No. 47616
 Start 12
 Name OJ990815_36.9B15.C8.o1.np
 Start 145
 GI 4454480
 Exons 145..243, 283..549, 644..742
 GI Descrip. (AC006234) (1-4)-beta-mannan endohydrolase [Arabidopsis thaliana]

Seq. ID OJ990815_36.9B15.C8
 Strand +
 End 742
 Method AAT/NAP
 End 742
 Score 301

Seq. No. 22889
 Gene No. 47616
 Start 12
 Name OJ990815_36.9B15.C8.o1.gs
 Start 151
 GI none
 Exons 151..549, 644..720

Seq. ID OJ990815_36.9B15.C8
 Strand +
 End 742
 Method GENSCAN
 End 720
 Score .58

Seq. No. 22889
 Gene No. 47616
 Start 12
 Name OJ990815_36.9B15.C8.o2.np
 Start 226
 GI 6630540
 Exons 226..549, 644..742
 GI Descrip. (AC011708) putative (1-4)-beta-mannan endohydrolase [Arabidopsis thaliana]

Seq. ID OJ990815_36.9B15.C8
 Strand +
 End 742
 Method AAT/NAP
 End 742
 Score 276

Seq. No. 22889
 Gene No. 47616
 Start 12
 Name OJ990815_36.9B15.C8.o1.ts
 Start 310
 GI none
 Exons 310..549, 354..548, 641..742, 646..729

Seq. ID OJ990815_36.9B15.C8
 Strand +
 End 742
 Method TBLASTX:Soybean
 End 742
 Score 250

Seq. No.	22889	Seq. ID	OJ990815_36.9B15.C8
Gene No.	47616	Strand	+
Start	12	End	742
Name	OJ990815_36.9B15.C8.o1.tc	Method	TBLASTX:Cress
Start	313	End	742
GI	none	Score	251
Exons	313..552, 313..390, 366..551, 641..742		

Seq. No.	22889	Seq. ID	OJ990815_36.9B15.C8
Gene No.	47616	Strand	+
Start	12	End	742
Name	OJ990815_36.9B15.C8.o2.tm	Method	TBLASTX:Maize
Start	481	End	742
GI	none	Score	115
Exons	481..549, 486..548, 641..742, 641..697, 643..741		

Seq. No.	22890	Seq. ID	OJ990815_36.9B15.C9
Gene No.	47617	Strand	+
Start	1	End	721
Name	OJ990815_36.9B15.C9.o1.np	Method	AAT/NAP
Start	1	End	398
GI	4454480	Score	283
Exons	1..398		
GI Descrip.	(AC006234) (1-4)-beta-mannan endohydrolase [Arabidopsis thaliana]		

Seq. No.	22890	Seq. ID	OJ990815_36.9B15.C9
Gene No.	47617	Strand	+
Start	1	End	721
Name	OJ990815_36.9B15.C9.o1.tm	Method	TBLASTX:Maize
Start	2	End	721
GI	none	Score	395
Exons	2..388, 2..346, 668..721		

Seq. No.	22890	Seq. ID	OJ990815_36.9B15.C9
Gene No.	47617	Strand	+
Start	1	End	721
Name	OJ990815_36.9B15.C9.o1.ts	Method	TBLASTX:Soybean
Start	2	End	343
GI	none	Score	218
Exons	2..343		

Seq. No.	22890	Seq. ID	OJ990815_36.9B15.C9
Gene No.	47617	Strand	+
Start	1	End	721
Name	OJ990815_36.9B15.C9.o1.gs	Method	GENSCAN
Start	29	End	607
GI	none	Score	.77
Exons	29..379, 456..607		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47618	Strand	+
Start	1237	End	24145
Name	OJ990815_36.9B15.C12.o1.gs	Method	GENSCAN
Start	1237	End	2474
GI	none	Score	.77
Exons	1237..2474		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47618	Strand	+
Start	1237	End	24145
Name	OJ990815_36.9B15.C12.o4.np	Method	AAT/NAP
Start	1443	End	23739
GI	1076205	Score	106
Exons	1443..1555, 3899..4036, 4279..4449, 5424..5505, 10274..10422, 23167..23458, 23624..23739		
GI Descrip.	hypothetical protein WP6 - Chlamydomonas eugametos gi 530878 (L29028) amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .. 109, 128 .. 130, 132 .. 134, 158 .. 160, 163 .. 165; amino acid feature: Rod protein domain, aa 169 .. 340; amino acid feature: globular pro...		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47618	Strand	+
Start	1237	End	24145
Name	OJ990815_36.9B15.C12.o2.gs	Method	GENSCAN
Start	3185	End	7338
GI	none	Score	.84
Exons	3185..3230, 3756..3878, 4060..4281, 4386..4600, 4682..4851, 5478..5664, 5697..5839, 7305..7338		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47618	Strand	+
Start	1237	End	24145
Name	OJ990815_36.9B15.C12.o2.np	Method	AAT/NAP
Start	3344	End	4912
GI	4584523	Score	167
Exons	3344..3397, 4161..4281, 4389..4654, 4823..4912		
GI Descrip.	(AL049607) putative protein [Arabidopsis thaliana]		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47618	Strand	+
Start	1237	End	24145
Name	OJ990815_36.9B15.C12.o1.np	Method	AAT/NAP
Start	4095	End	6108
GI	5701785	Score	113
Exons	4095..4340, 4769..4851, 6072..6108		
GI Descrip.	(AL021749) copper-binding protein-like [Arabidopsis thaliana]		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47618	Strand	+
Start	1237	End	24145
Name	OJ990815_36.9B15.C12.o3.np	Method	AAT/NAP
Start	6341	End	8984
GI	2130136	Score	396
Exons	6341..6596, 7561..7830, 8574..8664, 8757..8984		
GI Descrip.	homeotic protein Hox2b - maize		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47618	Strand	+
Start	1237	End	24145
Name	OJ990815_36.9B15.C12.o3.gs	Method	GENSCAN
Start	10298	End	23975
GI	none	Score	.45

Exons 10298..10669, 10808..10999, 11288..11398, 11609..11944,
12045..12123, 13112..13769, 14461..14588, 15131..15277,
15397..15509, 16778..17060, 17868..17984, 18444..18583,
20252..20464, 20681..21052, 21868..21977, 22018..22048,
23163..23815, 23927..23975

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47618	Strand	+
Start	1237	End	24145
Name	OJ990815_36.9B15.C12.o1.gp	Method	AAT/GAP
Start	23742	End	24145
GI	3768855	Score	700
Exons	23742..24145		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854
Name	OJ990815_36.9B15.C12.o1.tm	Method	TBLASTX:Maize
Start	1572	End	1804
GI	none	Score	84
Exons	1572..1676, 1574..1675, 1661..1804, 1671..1796, 1736..1804		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854
Name	OJ990815_36.9B15.C12.o2.ts	Method	TBLASTX:Soybean
Start	1835	End	2117
GI	none	Score	195
Exons	1835..1972, 1848..2117, 1851..2024		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854
Name	OJ990815_36.9B15.C12.o3.tm	Method	TBLASTX:Maize
Start	2052	End	2471
GI	none	Score	186
Exons	2052..2327, 2070..2381, 2267..2371, 2388..2471, 2388..2459		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854
Name	OJ990815_36.9B15.C12.o4.tm	Method	TBLASTX:Maize
Start	4124	End	4525
GI	none	Score	208
Exons	4124..4279, 4125..4280, 4415..4468, 4499..4525		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854
Name	OJ990815_36.9B15.C12.o1.ts	Method	TBLASTX:Soybean
Start	10852	End	11289
GI	none	Score	219
Exons	10852..11013, 10853..11014, 11068..11289, 11192..11287		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854

Name	OJ990815_36.9B15.C12.o2.tm	Method	TBLASTX:Maize
Start	13285	End	13503
GI	none	Score	221
Exons	13285..13431, 13287..13436, 13425..13463, 13462..13503, 13467..13502		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854
Name	OJ990815_36.9B15.C12.o5.tm	Method	TBLASTX:Maize
Start	23126	End	23531
GI	none	Score	42
Exons	23126..23155, 23130..23162, 23255..23371, 23280..23372, 23466..23531, 23466..23528		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854
Name	OJ990815_36.9B15.C12.o2.tw	Method	TBLASTX:Wheat
Start	23138	End	23366
GI	none	Score	48
Exons	23138..23173, 23139..23174, 23243..23365, 23277..23366		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854
Name	OJ990815_36.9B15.C12.o1.tw	Method	TBLASTX:Wheat
Start	23581	End	23869
GI	none	Score	83
Exons	23581..23631, 23582..23632, 23583..23633, 23630..23707, 23631..23708, 23661..23813, 23678..23815, 23795..23836, 23797..23841, 23825..23869		

Seq. No.	22891	Seq. ID	OJ990815_36.9B15.C12
Gene No.	47619	Strand	-
Start	24523	End	24854
Name	OJ990815_36.9B15.C12.o4.gs	Method	GENSCAN
Start	24523	End	24854
GI	none	Score	.73
Exons	24523..24682, 24733..24854		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47620	Strand	+
Start	1174	End	1450
Name	OJ990815_36.9B15.C13.o1.gs	Method	GENSCAN
Start	1174	End	1450
GI	none	Score	.63
Exons	1174..1275, 1404..1450		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47621	Strand	+
Start	7493	End	9824
Name	OJ990815_36.9B15.C13.o2.np	Method	AAT/NAP
Start	7493	End	9776
GI	3860252	Score	523
Exons	7493..7521, 8829..9776		

GI Descrip. (AC005824) hypothetical protein [Arabidopsis thaliana]

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47621	Strand	+
Start	7493	End	9824
Name	OJ990815_36.9B15.C13.o3.gs	Method	GENSCAN
Start	8661	End	9824
GI	none	Score	.99
Exons	8661..9824		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47622	Strand	+
Start	12223	End	13619
Name	OJ990815_36.9B15.C13.o4.np	Method	AAT/NAP
Start	12223	End	13619
GI	3540201	Score	97
Exons	12223..12283, 13393..13619		
GI Descrip.	(AC004260) Putative nuclear protein [Arabidopsis thaliana]		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47623	Strand	-
Start	4642	End	8541
Name	OJ990815_36.9B15.C13.o2.gs	Method	GENSCAN
Start	4642	End	8430
GI	none	Score	.88
Exons	4642..4704, 5525..5624, 5809..5907, 6015..6079, 6436..6504, 6936..7067, 8135..8244, 8331..8430		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47623	Strand	-
Start	4642	End	8541
Name	OJ990815_36.9B15.C13.o1.np	Method	AAT/NAP
Start	4645	End	8212
GI	1653245	Score	310
Exons	4645..4704, 5525..5624, 5809..5907, 6015..6079, 6436..6504, 6606..6716, 6866..7075, 8152..8212		
GI Descrip.	(D90912) hypothetical protein [Synechocystis sp.]		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47623	Strand	-
Start	4642	End	8541
Name	OJ990815_36.9B15.C13.o1.gp	Method	AAT/GAP
Start	6929	End	8541
GI	none	Score	728
Exons	6929..7067, 8135..8244, 8331..8541		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47624	Strand	-
Start	10298	End	13590
Name	OJ990815_36.9B15.C13.o4.tm	Method	TBLASTX:Maize
Start	5525	End	6498
GI	none	Score	74
Exons	5525..5590, 5526..5585, 5576..5641, 5577..5633, 5809..5910, 5811..5909, 6015..6083, 6015..6083, 6426..6497, 6433..6498		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47624	Strand	-
Start	10298	End	13590

Name	OJ990815_36.9B15.C13.o4.gs	Method	GENSCAN
Start	10298	End	13590
GI	none	Score	.62
Exons	10298..10501, 10734..10894, 11386..11551, 11789..11988, 12210..12391, 12629..12771, 13453..13590		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47624	Strand	-
Start	10298	End	13590
Name	OJ990815_36.9B15.C13.o3.np	Method	AAT/NAP
Start	10313	End	12700
GI	2500036	Score	1205
Exons	10313..10501, 10734..10894, 11201..11317, 11386..11551, 11789..11925, 12210..12391, 12524..12700		
GI Descrip.	DIHYDROOROTASE PRECURSOR (DHOASE) gi 2121273 (AF000146) dihydroorotase [Arabidopsis thaliana] gi 3292818 emb CAA19808.1 (AL031018) dihydroorotase [Arabidopsis thaliana]		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47624	Strand	-
Start	10298	End	13590
Name	OJ990815_36.9B15.C13.o1.tc	Method	TBLASTX:Cress
Start	10317	End	12406
GI	none	Score	175
Exons	10317..10502, 10319..10504, 10332..10502, 10734..10901, 10738..10890, 11199..11312, 11200..11319, 11202..11366, 11206..11319, 11355..11552, 11384..11557, 11385..11504, 11387..11551, 11488..11553, 11786..11923, 11787..11921, 12211..12393, 12266..12406		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47624	Strand	-
Start	10298	End	13590
Name	OJ990815_36.9B15.C13.o2.tm	Method	TBLASTX:Maize
Start	10344	End	11429
GI	none	Score	212
Exons	10344..10502, 10345..10503, 10346..10504, 10346..10504, 10733..10894, 10734..10895, 10734..10892, 10738..10902, 11203..11319, 11205..11318, 11205..11330, 11206..11340, 11384..11428, 11385..11429		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47624	Strand	-
Start	10298	End	13590
Name	OJ990815_36.9B15.C13.o1.ts	Method	TBLASTX:Soybean
Start	10451	End	11557
GI	none	Score	68
Exons	10451..10504, 10452..10502, 10732..10893, 10733..10867, 10734..10901, 10738..10893, 11199..11318, 11202..11366, 11206..11319, 11384..11557, 11385..11504, 11492..11542		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47624	Strand	-
Start	10298	End	13590
Name	OJ990815_36.9B15.C13.o3.gp	Method	AAT/GAP
Start	11225	End	12642
GI	25003_1.R1084	Score	1148

Exons 11225..11317, 11386..11551, 11789..11925, 12210..12442, 12590..12642

GI Descrip. '2500036/sp|O04904|PYRC_ARATH 1.0e-102 DIHYDROOROTASE PRECURSOR (DHOASE) >gi_2121273 (AF000146) dihydroorotase [Arabidopsis thaliana] >gi_3292818_emb_CAA19808.1_ (AL031018) dihydroorotase [Arabidopsis thaliana]'

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47624	Strand	-
Start	10298	End	13590
Name	OJ990815_36.9B15.C13.o1.tm	Method	TBLASTX:Maize
Start	11489	End	12406
GI	none	Score	174
Exons	11489..11542, 11813..11923, 11814..11924, 11832..11927, 11845..11928, 12204..12251, 12208..12393, 12211..12393, 12266..12406		

Seq. No.	22892	Seq. ID	OJ990815_36.9B15.C13
Gene No.	47624	Strand	-
Start	10298	End	13590
Name	OJ990815_36.9B15.C13.o3.tm	Method	TBLASTX:Maize
Start	13392	End	13560
GI	none	Score	221
Exons	13392..13535, 13393..13548, 13507..13560		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47625	Strand	+
Start	53	End	2803
Name	OJ990815_36.9B15.C14.o1.gs	Method	GENSCAN
Start	53	End	2803
GI	none	Score	.72
Exons	53..258, 1151..1182, 1245..1348, 2290..2380, 2658..2803		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47626	Strand	+
Start	3495	End	4414
Name	OJ990815_36.9B15.C14.o1.gp	Method	AAT/GAP
Start	3495	End	4414
GI	43727_1.R1084	Score	945
Exons	3495..3662, 4083..4414		
GI Descrip.	'4049350/emb CAA22575.1 3.0e-26 (AL034567) putative protein [Arabidopsis thaliana]'		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47627	Strand	+
Start	4336	End	7339
Name	OJ990815_36.9B15.C14.o1.np	Method	AAT/NAP
Start	4336	End	7339
GI	478809	Score	1077
Exons	4336..4479, 5047..5511, 6020..6475, 7061..7339		
GI Descrip.	protein kinase 6 (EC 2.7.1.-) - soybean gi 170047 (M67449) protein kinase [Glycine max] gi 444789 prf 1908223A protein kinase [Glycine max]		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47627	Strand	+
Start	4336	End	7339

Name	OJ990815_36.9B15.C14.o2.gs	Method	GENSCAN
Start	4336	End	7166
GI	none	Score	.89
Exons	4336..5511, 6020..6475, 7140..7166		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47627	Strand	+
Start	4336	End	7339
Name	OJ990815_36.9B15.C14.o2.gp	Method	AAT/GAP
Start	6256	End	7332
GI	3061255	Score	957
Exons	6256..6475, 7061..7332		
GI Descrip.	478809/pir S29851 2.0e-56 protein kinase 6 (EC 2.7.1.-) - soybean >gi_170047 (M67449) protein kinase [Glycine max] >gi_444789_prf__1908223A protein kinase [Glycine max]		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o2.tw	Method	TBLASTX:Wheat
Start	4081	End	4442
GI	none	Score	72
Exons	4081..4152, 4179..4250, 4183..4218, 4183..4257, 4184..4285, 4351..4440, 4353..4442, 4362..4442		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o3.tm	Method	TBLASTX:Maize
Start	5007	End	5514
GI	none	Score	76
Exons	5007..5042, 5034..5069, 5035..5109, 5057..5230, 5058..5228, 5247..5513, 5251..5514		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o1.ts	Method	TBLASTX:Soybean
Start	5244	End	7345
GI	none	Score	232
Exons	5244..5507, 5251..5541, 6013..6474, 6027..6461, 6029..6475, 6149..6475, 6991..7212, 7058..7228, 7058..7228, 7253..7345		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o1.tc	Method	TBLASTX:Cress
Start	6026	End	7177
GI	none	Score	506
Exons	6026..6433, 6027..6407, 6028..6426, 7081..7170, 7091..7177		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o1.tm	Method	TBLASTX:Maize
Start	6056	End	7141
GI	none	Score	577

Exons 6056..6475, 6058..6474, 7052..7138, 7058..7141, 7066..7140

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o1.tw	Method	TBLASTX:Wheat
Start	6056	End	7213
GI	none	Score	202
Exons	6056..6295, 6187..6294, 6277..6408, 6278..6430, 7067..7213		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o3.gs	Method	GENSCAN
Start	8676	End	10885
GI	none	Score	.85
Exons	8676..9082, 9799..10054, 10238..10483, 10850..10885		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o2.tm	Method	TBLASTX:Maize
Start	8677	End	10060
GI	none	Score	109
Exons	8677..8754, 8677..8739, 8703..8753, 8790..8945, 8791..8946, 8943..9086, 8944..9033, 9326..9361, 9410..9445, 9773..9889, 9784..9879, 9792..10034, 9794..10033, 10028..10057, 10031..10060		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o2.tc	Method	TBLASTX:Cress
Start	8790	End	9905
GI	none	Score	209
Exons	8790..9032, 8794..9030, 9036..9086, 9782..9889, 9798..9905		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o2.ts	Method	TBLASTX:Soybean
Start	8790	End	10037
GI	none	Score	221
Exons	8790..8867, 8803..9027, 8913..9086, 9782..10033, 9798..10037		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885
Name	OJ990815_36.9B15.C14.o3.gp	Method	AAT/GAP
Start	8794	End	9902
GI	3762249	Score	740
Exons	8794..9082, 9799..9902		
GI Descrip.	4049350/emb CAA22575.1 3.0e-26 (AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	22893	Seq. ID	OJ990815_36.9B15.C14
Gene No.	47628	Strand	-
Start	8676	End	10885

Name OJ990815_36.9B15.C14.o4.gp
 Start 9815
 GI 2431295
 Exons 9815..10032

Method AAT/GAP
 End 10032
 Score 308

Seq. No. 22893
 Gene No. 47628
 Start 8676
 Name OJ990815_36.9B15.C14.o5.gp
 Start 9980
 GI 2431295
 Exons 9980..10027, 10238..10395

Seq. ID OJ990815_36.9B15.C14
 Strand -
 End 10885
 Method AAT/GAP
 End 10395
 Score 375

Seq. No. 22894
 Gene No. 47629
 Start 387
 Name OJ990815_36.9B15.C15.o1.gs
 Start 387
 GI none
 Exons 387..774, 1103..1157, 2751..2853, 3176..3259, 3635..3691, 3989..4108, 4863..4886, 5727..5764, 5849..6005, 6440..6496, 6675..6821, 7372..7428, 7558..7755

Seq. ID OJ990815_36.9B15.C15
 Strand +
 End 9765
 Method GENSCAN
 End 7755
 Score .78

Seq. No. 22894
 Gene No. 47629
 Start 387
 Name OJ990815_36.9B15.C15.o1.np
 Start 393
 GI 3688172
 Exons 393..761, 2701..3074, 3477..3599, 3635..3691, 4863..5063, 5515..5653, 5839..6005, 6262..6387, 6675..6821, 6991..7061, 7144..7291, 9736..9765

Seq. ID OJ990815_36.9B15.C15
 Strand +
 End 9765
 Method AAT/NAP
 End 9765
 Score 1115

GI Descrip. (AL031804) putative protein [Arabidopsis thaliana]

Seq. No. 22894
 Gene No. 47629
 Start 387
 Name OJ990815_36.9B15.C15.o1.gp
 Start 6438
 GI 426919
 Exons 6438..6496, 6675..6821, 6991..7061, 7144..7194
 GI Descrip. 3688172/emb|CAA21200| 3.0e-24 (AL031804) putative protein [Arabidopsis thaliana]

Seq. ID OJ990815_36.9B15.C15
 Strand +
 End 9765
 Method AAT/GAP
 End 7194
 Score 569

Seq. No. 22894
 Gene No. 47630
 Start 10095
 Name OJ990815_36.9B15.C15.o2.gs
 Start 10095
 GI none
 Exons 10095..10173, 10269..11636, 11858..12009, 12202..12777, 12895..13410, 13419..13769, 14053..14280

Seq. ID OJ990815_36.9B15.C15
 Strand +
 End 14280
 Method GENSCAN
 End 14280
 Score .41

Seq. No. 22894
 Gene No. 47630
 Start 10095
 Name OJ990815_36.9B15.C15.o2.np

Seq. ID OJ990815_36.9B15.C15
 Strand +
 End 14280
 Method AAT/NAP

Start	10328	End	13778
GI	6907089	Score	1900
Exons	10328..11315, 11346..11681, 11717..12073, 12143..12747, 12862..13065, 13135..13778		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47631	Strand	+
Start	31333	End	36735
Name	OJ990815_36.9B15.C15.o5.np	Method	AAT/NAP
Start	31318	End	35694
GI	2586082	Score	4228
Exons	31318..33794, 33870..35694		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47631	Strand	+
Start	31333	End	36735
Name	OJ990815_36.9B15.C15.o4.gs	Method	GENSCAN
Start	31333	End	36735
GI	none	Score	.66
Exons	31333..34134, 34471..34588, 34766..34910, 35526..35646, 36637..36735		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47632	Strand	-
Start	14494	End	28766
Name	OJ990815_36.9B15.C15.o3.gs	Method	GENSCAN
Start	14494	End	28766
GI	none	Score	.69
Exons	14494..15264, 15284..15329, 15583..15982, 16226..16501, 16827..16961, 17247..17552, 19143..19181, 19510..19744, 19893..19962, 20111..20424, 21167..21213, 21290..21522, 22129..22295, 22304..22434, 22535..23120, 23227..24032, 25103..25393, 25648..25846, 27056..27273, 27813..27853, 28732..28766		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47632	Strand	-
Start	14494	End	28766
Name	OJ990815_36.9B15.C15.o3.np	Method	AAT/NAP
Start	14497	End	20802
GI	6498441	Score	3124
Exons	14497..14778, 14872..16254, 16441..17085, 17258..17392, 17576..17784, 20775..20802		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47632	Strand	-
Start	14494	End	28766
Name	OJ990815_36.9B15.C15.o4.np	Method	AAT/NAP
Start	18371	End	23738
GI	6063554	Score	287
Exons	18371..18543, 19483..19761, 20575..20817, 23656..23738		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47632	Strand	-
Start	14494	End	28766
Name	OJ990815_36.9B15.C15.o4.gp	Method	AAT/GAP
Start	21963	End	22658
GI	48729_1.R1084	Score	1148
Exons	21963..22434, 22535..22658		
GI Descrip.	'4519615/dbj BAA75667.1 5.0e-09 (AB017594) RPE65 [Gallus gallus]'		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o3.tm	Method	TBLASTX:Maize
Start	343	End	32167
GI	none	Score	308
Exons	343..363, 348..587, 419..553, 460..603, 573..623, 574..654, 577..771, 615..653, 695..784, 696..767, 32042..32167		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o7.tm	Method	TBLASTX:Maize
Start	4004	End	5579
GI	none	Score	170
Exons	4004..4108, 4004..4108, 4006..4113, 4008..4112, 4027..4113, 4844..4936, 4848..4937, 4853..4936, 4854..4937, 4932..5063, 4934..5065, 4935..5063, 5513..5575, 5514..5579, 5515..5571		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o4.ts	Method	TBLASTX:Soybean
Start	4842	End	5066
GI	none	Score	253
Exons	4842..5066, 4854..5063, 4862..5065		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o10.tw	Method	TBLASTX:Wheat
Start	5744	End	6346
GI	none	Score	252
Exons	5744..5764, 5847..6005, 5850..6008, 6261..6344, 6263..6346		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o12.tm	Method	TBLASTX:Maize
Start	5744	End	6008
GI	none	Score	48
Exons	5744..5770, 5745..5771, 5847..6005, 5848..6006, 5852..6007, 5856..6008		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o5.tc	Method	TBLASTX:Cress
Start	5825	End	6314
GI	none	Score	186
Exons	5825..6058, 5850..6008, 6261..6314		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o3.tw	Method	TBLASTX:Wheat
Start	6736	End	7680
GI	none	Score	82
Exons	6736..6816, 6738..6821, 6743..6820, 6938..7063, 6990..7064, 7032..7064, 7139..7234, 7139..7231, 7141..7239, 7354..7431, 7368..7430, 7539..7679, 7539..7679, 7540..7680		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o8.tm	Method	TBLASTX:Maize
Start	9074	End	33488
GI	none	Score	64
Exons	9074..9121, 33061..33150, 33172..33486, 33303..33488		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o4.tw	Method	TBLASTX:Wheat
Start	14506	End	15114
GI	none	Score	112
Exons	14506..14631, 14662..15114, 14816..14965		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o14.tm	Method	TBLASTX:Maize
Start	14629	End	14892
GI	none	Score	220
Exons	14629..14892		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o9.tw	Method	TBLASTX:Wheat
Start	15235	End	15623
GI	none	Score	72
Exons	15235..15363, 15244..15363, 15245..15364, 15334..15603, 15354..15623		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o10.tm	Method	TBLASTX:Maize
Start	15304	End	15651
GI	none	Score	185

Exons 15304..15390, 15334..15651, 15354..15626

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o16.tw	Method	TBLASTX:Wheat
Start	15783	End	16070
GI	none	Score	190
Exons	15783..16070		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o7.tw	Method	TBLASTX:Wheat
Start	16125	End	16574
GI	none	Score	108
Exons	16125..16265, 16126..16272, 16344..16481, 16348..16503, 16350..16574		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o14.tw	Method	TBLASTX:Wheat
Start	16843	End	17154
GI	none	Score	58
Exons	16843..16977, 17001..17153, 17065..17154		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o6.tm	Method	TBLASTX:Maize
Start	17046	End	17428
GI	none	Score	141
Exons	17046..17153, 17152..17427, 17153..17428		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o6.ts	Method	TBLASTX:Soybean
Start	17158	End	17376
GI	none	Score	69
Exons	17158..17376, 17159..17275		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o1.tw	Method	TBLASTX:Wheat
Start	17167	End	17586
GI	none	Score	268
Exons	17167..17586, 17180..17584		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o4.tm	Method	TBLASTX:Maize
Start	17455	End	17736
GI	none	Score	105

Exons 17455..17688, 17455..17736, 17465..17734

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o13.tw	Method	TBLASTX:Wheat
Start	17587	End	17736
GI	none	Score	130
Exons	17587..17736, 17588..17725		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o9.tm	Method	TBLASTX:Maize
Start	23569	End	23781
GI	none	Score	220
Exons	23569..23730, 23570..23728, 23711..23779, 23731..23781		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o5.tm	Method	TBLASTX:Maize
Start	31413	End	31839
GI	none	Score	87
Exons	31413..31493, 31414..31518, 31522..31839, 31543..31812		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o12.tw	Method	TBLASTX:Wheat
Start	31654	End	31986
GI	none	Score	247
Exons	31654..31986		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o5.tw	Method	TBLASTX:Wheat
Start	32173	End	32562
GI	none	Score	413
Exons	32173..32562, 32190..32459, 32284..32556		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o11.tm	Method	TBLASTX:Maize
Start	32269	End	32571
GI	none	Score	264
Exons	32269..32571, 32274..32492		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o5.ts	Method	TBLASTX:Soybean
Start	32656	End	33057
GI	none	Score	77
Exons	32656..32751, 32755..32862, 32884..33057		

Seq. No. 22894
 Gene No. 47633
 Start 44393
 Name OJ990815_36.9B15.C15.o3.ts
 Start 33064
 GI none
 Exons 33064..33495

Seq. ID OJ990815_36.9B15.C15
 Strand -
 End 48610
 Method TBLASTX:Soybean
 End 33495
 Score 260

Seq. No. 22894
 Gene No. 47633
 Start 44393
 Name OJ990815_36.9B15.C15.o1.tc
 Start 33067
 GI none
 Exons 33067..33516

Seq. ID OJ990815_36.9B15.C15
 Strand -
 End 48610
 Method TBLASTX:Cress
 End 33516
 Score 336

Seq. No. 22894
 Gene No. 47633
 Start 44393
 Name OJ990815_36.9B15.C15.o8.tw
 Start 33169
 GI none
 Exons 33169..33525, 33186..33509

Seq. ID OJ990815_36.9B15.C15
 Strand -
 End 48610
 Method TBLASTX:Wheat
 End 33525
 Score 287

Seq. No. 22894
 Gene No. 47633
 Start 44393
 Name OJ990815_36.9B15.C15.o2.ts
 Start 34174
 GI 5509260
 Exons 34174..34668, 34287..34451, 34491..34655
 GI Descrip. -

Seq. ID OJ990815_36.9B15.C15
 Strand -
 End 48610
 Method TBLASTX:Soybean
 End 34668
 Score 397

Seq. No. 22894
 Gene No. 47633
 Start 44393
 Name OJ990815_36.9B15.C15.o15.tm
 Start 34212
 GI none
 Exons 34212..34463, 34213..34464

Seq. ID OJ990815_36.9B15.C15
 Strand -
 End 48610
 Method TBLASTX:Maize
 End 34464
 Score 217

Seq. No. 22894
 Gene No. 47633
 Start 44393
 Name OJ990815_36.9B15.C15.o2.tc
 Start 34285
 GI none
 Exons 34285..34551, 34296..34532, 34474..34542

Seq. ID OJ990815_36.9B15.C15
 Strand -
 End 48610
 Method TBLASTX:Cress
 End 34551
 Score 281

Seq. No. 22894
 Gene No. 47633
 Start 44393
 Name OJ990815_36.9B15.C15.o6.tw
 Start 34332
 GI none
 Exons 34332..34430, 34333..34677, 34482..34571, 34486..34641,

Seq. ID OJ990815_36.9B15.C15
 Strand -
 End 48610
 Method TBLASTX:Wheat
 End 34845
 Score 281

34663..34845

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o2.tm	Method	TBLASTX:Maize
Start	34465	End	34911
GI	none	Score	384
Exons	34465..34911, 34485..34775		
Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o3.tc	Method	TBLASTX:Cress
Start	34729	End	35007
GI	none	Score	206
Exons	34729..35007		
Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o2.tw	Method	TBLASTX:Wheat
Start	34846	End	35283
GI	none	Score	444
Exons	34846..35283, 34851..35165, 35243..35281		
Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o1.tm	Method	TBLASTX:Maize
Start	35035	End	35643
GI	none	Score	309
Exons	35035..35442, 35037..35201, 35241..35384, 35466..35564, 35467..35643		
Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o1.ts	Method	TBLASTX:Soybean
Start	35047	End	35670
GI	none	Score	539
Exons	35047..35670, 35049..35201, 35241..35435, 35245..35637		
Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o4.tc	Method	TBLASTX:Cress
Start	35239	End	35744
GI	none	Score	58
Exons	35239..35310, 35320..35442, 35458..35661, 35688..35744		
Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o15.tw	Method	TBLASTX:Wheat
Start	35290	End	35646
GI	none	Score	93

Exons 35290..35448, 35340..35441, 35454..35537, 35455..35646

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o13.tm	Method	TBLASTX:Maize
Start	39850	End	40143
GI	none	Score	84
Exons	39850..39951, 39946..40143, 39971..40093		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o11.tw	Method	TBLASTX:Wheat
Start	40220	End	40590
GI	none	Score	85
Exons	40220..40441, 40222..40587, 40222..40347, 40399..40590		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o6.np	Method	AAT/NAP
Start	44393	End	48610
GI	5295955	Score	1140
Exons	44393..44960, 45000..45066, 45146..45551, 46232..46346, 46888..47102, 48123..48610		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	22894	Seq. ID	OJ990815_36.9B15.C15
Gene No.	47633	Strand	-
Start	44393	End	48610
Name	OJ990815_36.9B15.C15.o6.gs	Method	GENSCAN
Start	45727	End	48352
GI	none	Score	.48
Exons	45727..45815, 46223..46346, 46820..47102, 47679..47743, 48253..48352		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47634	Strand	+
Start	1	End	8385
Name	OJ990815_36.9B15.C17.o1.np	Method	AAT/NAP
Start	1	End	2492
GI	5051771	Score	652
Exons	1..189, 320..588, 808..995, 1377..1540, 1847..2492		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47634	Strand	+
Start	1	End	8385
Name	OJ990815_36.9B15.C17.o1.gs	Method	GENSCAN
Start	320	End	8385
GI	none	Score	.83
Exons	320..369, 1377..1540, 2136..2260, 2269..2374, 2923..3023, 3103..3155, 3926..4027, 6471..6649, 6760..7248, 7309..7436, 7524..8385		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47634	Strand	+
Start	1	End	8385
Name	OJ990815_36.9B15.C17.o1.gp	Method	AAT/GAP
Start	868	End	1989
GI	LIB3433-035-P1-K1-C7	Score	794
Exons	868..995, 1377..1540, 1847..1989		
GI Descrip.	'3688172/emb CAA21200 3.0e-24 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47634	Strand	+
Start	1	End	8385
Name	OJ990815_36.9B15.C17.o2.gp	Method	AAT/GAP
Start	2231	End	2730
GI	4714748	Score	940
Exons	2231..2730		
GI Descrip.	5051771/emb CAB45064.1 6.0e-09 (AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47634	Strand	+
Start	1	End	8385
Name	OJ990815_36.9B15.C17.o2.np	Method	AAT/NAP
Start	5829	End	8361
GI	2213586	Score	1008
Exons	5829..5934, 6432..6649, 6760..7258, 7361..7421, 7537..8361		
GI Descrip.	(AC000348) T7N9.6 [Arabidopsis thaliana]		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o4.tm	Method	TBLASTX:Maize
Start	1	End	461
GI	none	Score	248
Exons	1..195, 2..196, 8..199, 15..200, 303..437, 313..411, 317..439, 318..461, 319..450		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2253
GI	none	Score	155
Exons	2..202, 311..436, 312..515, 809..1000, 811..999, 1359..1541, 1378..1539, 1379..1543, 1825..2238, 1843..2253, 1844..2251		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o5.tc	Method	TBLASTX:Cress
Start	20	End	464
GI	none	Score	124
Exons	20..196, 131..196, 312..464, 317..433		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+

Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o6.tm	Method	TBLASTX:Maize
Start	471	End	1543
GI	none	Score	66
Exons	471..530, 472..516, 809..1000, 811..990, 1346..1543, 1377..1538, 1378..1539		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o4.tc	Method	TBLASTX:Cress
Start	1834	End	2439
GI	none	Score	140
Exons	1834..1986, 1847..1957, 2012..2086, 2126..2221, 2128..2217, 2306..2437, 2308..2439		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o1.tw	Method	TBLASTX:Wheat
Start	1847	End	2194
GI	none	Score	610
Exons	1847..2194, 1849..2193		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o1.tm	Method	TBLASTX:Maize
Start	1903	End	2583
GI	none	Score	1004
Exons	1903..2541, 1907..2533, 2544..2576, 2545..2583		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o1.tc	Method	TBLASTX:Cress
Start	5856	End	8343
GI	none	Score	79
Exons	5856..5933, 6443..6670, 6831..7139, 6832..7176, 7585..7986, 7587..7883, 7996..8199, 8173..8343		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o4.ts	Method	TBLASTX:Soybean
Start	6837	End	7176
GI	none	Score	262
Exons	6837..7145, 6838..7176		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o3.tm	Method	TBLASTX:Maize
Start	6838	End	8343
GI	none	Score	108
Exons	6838..7008, 6988..7038, 7051..7176, 7297..7377, 7545..7655, 7546..7914, 7701..7883, 7996..8187, 8040..8174, 8236..8343		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o3.ts	Method	TBLASTX:Soybean
Start	7732	End	8346
GI	none	Score	176
Exons	7732..7908, 7737..7883, 8002..8346, 8004..8093		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o2.tw	Method	TBLASTX:Wheat
Start	8011	End	8343
GI	none	Score	147
Exons	8011..8199, 8013..8105, 8236..8343		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o2.gs	Method	GENSCAN
Start	8665	End	9756
GI	none	Score	.85
Exons	8665..8755, 8760..9206, 9299..9756		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o2.tc	Method	TBLASTX:Cress
Start	8903	End	9393
GI	none	Score	34
Exons	8903..8929, 8996..9208, 8999..9127, 9016..9207, 9297..9392, 9298..9393		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o2.tm	Method	TBLASTX:Maize
Start	8905	End	9480
GI	none	Score	53
Exons	8905..8946, 8907..8948, 8992..9060, 8993..9058, 9022..9207, 9065..9208, 9297..9479, 9297..9479, 9298..9480, 9403..9480		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o3.np	Method	AAT/NAP
Start	8906	End	9753
GI	2832620	Score	623
Exons	8906..9206, 9299..9753		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o2.ts	Method	TBLASTX:Soybean
Start	8992	End	9540

GI	none	Score	233
Exons	8992..9207, 8996..9208, 9270..9539, 9298..9540		
Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o3.tc	Method	TBLASTX:Cress
Start	9394	End	9729
GI	none	Score	261
Exons	9394..9651, 9399..9548, 9655..9729		
Seq. No.	22895	Seq. ID	OJ990815_36.9B15.C17
Gene No.	47635	Strand	+
Start	8665	End	9788
Name	OJ990815_36.9B15.C17.o5.tm	Method	TBLASTX:Maize
Start	9562	End	9788
GI	none	Score	290
Exons	9562..9768, 9607..9762, 9672..9788		
Seq. No.	22896	Seq. ID	OJ990815_36.9B15.C18
Gene No.	47636	Strand	+
Start	486	End	1129
Name	OJ990815_36.9B15.C18.o1.np	Method	AAT/NAP
Start	486	End	1129
GI	2498930	Score	758
Exons	486..549, 717..1129		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) .gi 1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	22896	Seq. ID	OJ990815_36.9B15.C18
Gene No.	47636	Strand	+
Start	486	End	1129
Name	OJ990815_36.9B15.C18.o1.gs	Method	GENSCAN
Start	490	End	1111
GI	none	Score	1
Exons	490..549, 717..1111		
Seq. No.	22897	Seq. ID	OJ990915_14.9B08.C1
Gene No.	47637	Strand	+
Start	1	End	724
Name	OJ990915_14.9B08.C1.o1.np	Method	AAT/NAP
Start	1	End	724
GI	5091513	Score	1215
Exons	1..724		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	22897	Seq. ID	OJ990915_14.9B08.C1
Gene No.	47637	Strand	+
Start	1	End	724
Name	OJ990915_14.9B08.C1.o1.gs	Method	GENSCAN
Start	34	End	628
GI	none	Score	.95
Exons	34..628		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47638	Strand	+
Start	479	End	1108

Name	OJ990915_14.9B08.C2.o1.gs	Method	GENSCAN
Start	479	End	1108
GI	none	Score	.94
Exons	479..1108		

Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47639	Strand	+
Start	3172	End	3555
Name	OJ990915_14.9B08.C2.o2.gp	Method	AAT/GAP
Start	3172	End	3555
GI	uC-osflcyp033a04b1	Score	677
Exons	3172..3555		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47640	Strand	+
Start	5483	End	13254
Name	OJ990915_14.9B08.C2.o1.np	Method	AAT/NAP
Start	5480	End	13251
GI	4680179	Score	5380
Exons	5480..6565, 6599..8981, 12233..13251		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47640	Strand	+
Start	5483	End	13254
Name	OJ990915_14.9B08.C2.o4.gs	Method	GENSCAN
Start	5483	End	8995
GI	none	Score	.99
Exons	5483..8995		

Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47640	Strand	+
Start	5483	End	13254
Name	OJ990915_14.9B08.C2.o5.gs	Method	GENSCAN
Start	9606	End	10626
GI	none	Score	.5
Exons	9606..10284, 10541..10626		

Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47640	Strand	+
Start	5483	End	13254
Name	OJ990915_14.9B08.C2.o6.gs	Method	GENSCAN
Start	11524	End	13254
GI	none	Score	.43
Exons	11524..11600, 12195..13254		

Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47641	Strand	-
Start	1686	End	2075
Name	OJ990915_14.9B08.C2.o2.gs	Method	GENSCAN
Start	1686	End	2075
GI	none	Score	1
Exons	1686..2075		

Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
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Gene No. 47642
 Start 3250
 Name OJ990915_14.9B08.C2.o3.gs
 Start 3250
 GI none
 Exons 3250..3457, 5207..5301

Strand -
 End 5301
 Method GENSCAN
 End 5301
 Score .81

Seq. No. 22898
 Gene No. 47642
 Start 3250
 Name OJ990915_14.9B08.C2.o7.tm
 Start 4300
 GI none
 Exons 4300..4524, 4313..4525, 4786..5010, 4799..5011

Seq. ID OJ990915_14.9B08.C2
 Strand -
 End 5301
 Method TBLASTX:Maize
 End 5011
 Score 198

Seq. No. 22898
 Gene No. 47643
 Start 5723
 Name OJ990915_14.9B08.C2.o9.tw
 Start 5723
 GI none
 Exons 5723..5920, 5725..5925

Seq. ID OJ990915_14.9B08.C2
 Strand -
 End 5925
 Method TBLASTX:Wheat
 End 5925
 Score 209

Seq. No. 22898
 Gene No. 47644
 Start 5956
 Name OJ990915_14.9B08.C2.o7.tw
 Start 5956
 GI none
 Exons 5956..6150, 5957..6307

Seq. ID OJ990915_14.9B08.C2
 Strand -
 End 6307
 Method TBLASTX:Wheat
 End 6307
 Score 293

Seq. No. 22898
 Gene No. 47644
 Start 5956
 Name OJ990915_14.9B08.C2.o6.tm
 Start 5957
 GI none
 Exons 5957..6262, 5971..6135

Seq. ID OJ990915_14.9B08.C2
 Strand -
 End 6307
 Method TBLASTX:Maize
 End 6262
 Score 232

Seq. No. 22898
 Gene No. 47645
 Start 6590
 Name OJ990915_14.9B08.C2.o8.tm
 Start 6590
 GI none
 Exons 6590..6943

Seq. ID OJ990915_14.9B08.C2
 Strand -
 End 7048
 Method TBLASTX:Maize
 End 6943
 Score 189

Seq. No. 22898
 Gene No. 47645
 Start 6590
 Name OJ990915_14.9B08.C2.o8.tw
 Start 6626
 GI none
 Exons 6626..6835, 6682..6834, 6880..6993, 6881..7048

Seq. ID OJ990915_14.9B08.C2
 Strand -
 End 7048
 Method TBLASTX:Wheat
 End 7048
 Score 163

Seq. No. 22898
 Gene No. 47646

Seq. ID OJ990915_14.9B08.C2
 Strand -

Start	7163	End	8032
Name	OJ990915_14.9B08.C2.o4.tw	Method	TBLASTX:Wheat
Start	7163	End	7645
GI	none	Score	51
Exons	7163..7213, 7267..7602, 7268..7645		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47646	Strand	
Start	7163	End	8032
Name	OJ990915_14.9B08.C2.o5.tm	Method	TBLASTX:Maize
Start	7175	End	7464
GI	none	Score	277
Exons	7175..7462, 7271..7462, 7273..7464		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47646	Strand	
Start	7163	End	8032
Name	OJ990915_14.9B08.C2.o3.tm	Method	TBLASTX:Maize
Start	7538	End	8032
GI	none	Score	164
Exons	7538..7711, 7540..7686, 7718..8032, 7858..7911, 7939..7989		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47646	Strand	
Start	7163	End	8032
Name	OJ990915_14.9B08.C2.o1.ts	Method	TBLASTX:Soybean
Start	7586	End	7981
GI	none	Score	57
Exons	7586..7618, 7588..7617, 7622..7981, 7624..7662, 7690..7980		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47646	Strand	
Start	7163	End	8032
Name	OJ990915_14.9B08.C2.o5.tw	Method	TBLASTX:Wheat
Start	7694	End	7996
GI	none	Score	381
Exons	7694..7996, 7696..7980		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47647	Strand	
Start	7997	End	8431
Name	OJ990915_14.9B08.C2.o3.tw	Method	TBLASTX:Wheat
Start	7997	End	8422
GI	none	Score	602
Exons	7997..8422, 8029..8418		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47647	Strand	
Start	7997	End	8431
Name	OJ990915_14.9B08.C2.o3.ts	Method	TBLASTX:Soybean
Start	8003	End	8248
GI	none	Score	201
Exons	8003..8248, 8020..8247		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47647	Strand	
Start	7997	End	8431

Name	OJ990915_14.9B08.C2.o2.tm	Method	TBLASTX:Maize
Start	8068	End	8431
GI	none	Score	481
Exons	8068..8418, 8069..8422, 8069..8431		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47648	Strand	
Start	8425	End	12306
Name	OJ990915_14.9B08.C2.o2.tw	Method	TBLASTX:Wheat
Start	8425	End	8986
GI	none	Score	631
Exons	8425..8985, 8426..8986		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47648	Strand	
Start	8425	End	12306
Name	OJ990915_14.9B08.C2.o4.tm	Method	TBLASTX:Maize
Start	8639	End	12306
GI	none	Score	289
Exons	8639..8989, 8749..8988, 12235..12306		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47648	Strand	
Start	8425	End	12306
Name	OJ990915_14.9B08.C2.o2.ts	Method	TBLASTX:Soybean
Start	8777	End	12288
GI	none	Score	214
Exons	8777..8986, 8782..8988, 12226..12288		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47649	Strand	
Start	12247	End	13206
Name	OJ990915_14.9B08.C2.o1.tw	Method	TBLASTX:Wheat
Start	12247	End	12873
GI	none	Score	707
Exons	12247..12873, 12253..12675, 12303..12761, 12748..12870		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47649	Strand	
Start	12247	End	13206
Name	OJ990915_14.9B08.C2.o1.tm	Method	TBLASTX:Maize
Start	12427	End	13026
GI	none	Score	231
Exons	12427..12588, 12435..12581, 12585..13010, 12586..13026		
Seq. No.	22898	Seq. ID	OJ990915_14.9B08.C2
Gene No.	47649	Strand	
Start	12247	End	13206
Name	OJ990915_14.9B08.C2.o6.tw	Method	TBLASTX:Wheat
Start	12873	End	13206
GI	none	Score	326
Exons	12873..13142, 12874..13206, 12877..13185		
Seq. No.	22899	Seq. ID	OJ990915_14.9B08.C3
Gene No.	47650	Strand	+
Start	614	End	1740
Name	OJ990915_14.9B08.C3.o1.gs	Method	GENSCAN

Start 614
GI none
Exons 614..1740

End 1740
Score .83

Seq. No. 22900
Gene No. 47651
Start 6
Name OJ990915_14.9B08.C4.o1.gs
Start 6
GI none
Exons 6..96

Seq. ID OJ990915_14.9B08.C4
Strand +
End 96
Method GENSCAN
End 96
Score .48

Seq. No. 22901
Gene No. 47652
Start 26
Name OJ990915_14.9B08.C6.o1.gs
Start 26
GI none
Exons 26..245

Seq. ID OJ990915_14.9B08.C6
Strand -
End 245
Method GENSCAN
End 245
Score .73

Seq. No. 22902
Gene No. 47653
Start 450
Name OJ990915_14.9B08.C12.o1.gp
Start 450
GI 17708 1.R1084
Exons 450..597

Seq. ID OJ990915_14.9B08.C12
Strand +
End 597
Method AAT/GAP
End 597
Score 273

GI Descrip. '1888551 2.0e-34 (U89895) pathogenesis-related protein class 1 [Oryza sativa]'

Seq. No. 22903
Gene No. 47654
Start 329
Name OJ990915_14.9B08.C13.o1.gs
Start 329
GI none
Exons 329..631

Seq. ID OJ990915_14.9B08.C13
Strand +
End 658
Method GENSCAN
End 631
Score .72

Seq. No. 22903
Gene No. 47654
Start 329
Name OJ990915_14.9B08.C13.o1.np
Start 329
GI 5852182
Exons 329..658

Seq. ID OJ990915_14.9B08.C13
Strand +
End 658
Method AAT/NAP
End 658
Score 429

GI Descrip. (AL117265) zhb0012.1 [Oryza sativa]

Seq. No. 22904
Gene No. 47655
Start 303
Name OJ990915_14.9B08.C16.o1.gs
Start 303
GI none
Exons 303..497

Seq. ID OJ990915_14.9B08.C16
Strand +
End 497
Method GENSCAN
End 497
Score .82

Seq. No. 22904
Gene No. 47656

Seq. ID OJ990915_14.9B08.C16
Strand +

Start	1426	End	2102
Name	OJ990915_14.9B08.C16.o1.np	Method	AAT/NAP
Start	1426	End	2102
GI	6630696	Score	698
Exons	1426..2102		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	22904	Seq. ID	OJ990915_14.9B08.C16
Gene No.	47657	Strand	-
Start	1651	End	1822
Name	OJ990915_14.9B08.C16.o1.tw	Method	TBLASTX:Wheat
Start	1327	End	1718
GI	none	Score	89
Exons	1327..1437, 1431..1718, 1457..1666, 1587..1718		

Seq. No.	22904	Seq. ID	OJ990915_14.9B08.C16
Gene No.	47657	Strand	-
Start	1651	End	1822
Name	OJ990915_14.9B08.C16.o1.tm	Method	TBLASTX:Maize
Start	1469	End	1745
GI	none	Score	226
Exons	1469..1657, 1470..1745, 1561..1710, 1584..1721		

Seq. No.	22904	Seq. ID	OJ990915_14.9B08.C16
Gene No.	47657	Strand	-
Start	1651	End	1822
Name	OJ990915_14.9B08.C16.o2.gs	Method	GENSCAN
Start	1651	End	1822
GI	none	Score	.93
Exons	1651..1822		

Seq. No.	22905	Seq. ID	OJ990915_14.9B08.C17
Gene No.	47658	Strand	+
Start	871	End	2961
Name	OJ990915_14.9B08.C17.o1.gs	Method	GENSCAN
Start	871	End	2961
GI	none	Score	.63
Exons	871..900, 2115..2664, 2669..2961		

Seq. No.	22906	Seq. ID	OJ990915_14.9B08.C18
Gene No.	47659	Strand	+
Start	946	End	5321
Name	OJ990915_14.9B08.C18.o1.gs	Method	GENSCAN
Start	946	End	4493
GI	none	Score	.62
Exons	946..985, 1432..1520, 2139..3534, 3625..4256, 4401..4493		

Seq. No.	22906	Seq. ID	OJ990915_14.9B08.C18
Gene No.	47659	Strand	+
Start	946	End	5321
Name	OJ990915_14.9B08.C18.o1.np	Method	AAT/NAP
Start	994	End	5321
GI	6815097	Score	2233
Exons	994..1903, 2234..2846, 2961..4582, 5042..5321		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248)		

[Oryza sativa]

Seq. No.	22906	Seq. ID	OJ990915_14.9B08.C18
Gene No.	47659	Strand	+
Start	946	End	5321
Name	OJ990915_14.9B08.C18.o1.ts	Method	TBLASTX:Soybean
Start	4206	End	4580
GI	5509260	Score	135
Exons	4206..4337, 4206..4358, 4404..4490, 4517..4579, 4518..4580		
GI Descrip.	-		

Seq. No.	22906	Seq. ID	OJ990915_14.9B08.C18
Gene No.	47659	Strand	+
Start	946	End	5321
Name	OJ990915_14.9B08.C18.o1.tw	Method	TBLASTX:Wheat
Start	4207	End	4583
GI	none	Score	59
Exons	4207..4323, 4233..4484, 4239..4358, 4518..4583		

Seq. No.	22907	Seq. ID	OJ990915_14.9B08.C20
Gene No.	47660	Strand	-
Start	321	End	380
Name	OJ990915_14.9B08.C20.o1.gs	Method	GENSCAN
Start	321	End	380
GI	none	Score	.76
Exons	321..380		

Seq. No.	22908	Seq. ID	OJ990915_14.9B08.C21
Gene No.	47661	Strand	+
Start	43	End	178
Name	OJ990915_14.9B08.C21.o1.gs	Method	GENSCAN
Start	43	End	178
GI	none	Score	.55
Exons	43..178		

Seq. No.	22909	Seq. ID	OJ990915_14.9B08.C22
Gene No.	47662	Strand	-
Start	1	End	239
Name	OJ990915_14.9B08.C22.o1.gp	Method	AAT/GAP
Start	1	End	158
GI	2799714	Score	294
Exons	1..158		

Seq. No.	22909	Seq. ID	OJ990915_14.9B08.C22
Gene No.	47662	Strand	-
Start	1	End	239
Name	OJ990915_14.9B08.C22.o1.tm	Method	TBLASTX:Maize
Start	12	End	239
GI	none	Score	95
Exons	12..239, 79..237		

Seq. No.	22910	Seq. ID	OJ990915_14.9B08.C23
Gene No.	47663	Strand	-
Start	260	End	330
Name	OJ990915_14.9B08.C23.o1.gs	Method	GENSCAN
Start	260	End	330
GI	none	Score	.4

Exons 260..330

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47664	Strand	+
Start	43	End	1848
Name	OJ990915_14.9B08.C27.o1.np	Method	AAT/NAP
Start	43	End	1552
GI	1632831	Score	226
Exons	43..259, 1231..1322, 1436..1552		
GI Descrip.	(249698) orf [Ricinus communis]		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47664	Strand	+
Start	43	End	1848
Name	OJ990915_14.9B08.C27.o1.gp	Method	AAT/GAP
Start	1240	End	1848
GI	1095_1.R1084	Score	923
Exons	1240..1322, 1436..1848		
GI Descrip.	'4680489/gb AAD27669.1 AF119222_1 2.0e-09 (AF119222) hypothetical protein [Oryza sativa]'		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47665	Strand	+
Start	5058	End	7316
Name	OJ990915_14.9B08.C27.o2.gp	Method	AAT/GAP
Start	5058	End	7316
GI	31775_1.R1084	Score	1035
Exons	5058..5446, 6117..6176, 7225..7316		
GI Descrip.	'4680489/gb AAD27669.1 AF119222_1 2.0e-09 (AF119222) hypothetical protein [Oryza sativa]'		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47666	Strand	+
Start	7250	End	9644
Name	OJ990915_14.9B08.C27.o3.gs	Method	GENSCAN
Start	7250	End	9332
GI	none	Score	.71
Exons	7250..7680, 7762..7796, 8692..8747, 8872..8977, 9196..9332		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47666	Strand	+
Start	7250	End	9644
Name	OJ990915_14.9B08.C27.o2.np	Method	AAT/NAP
Start	7340	End	9644
GI	4680201	Score	219
Exons	7340..7659, 8924..9087, 9625..9644		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47666	Strand	+
Start	7250	End	9644
Name	OJ990915_14.9B08.C27.o3.gp	Method	AAT/GAP
Start	7439	End	7959
GI	4714786	Score	1004
Exons	7439..7959		
GI Descrip.	4680489/gb AAD27669.1 AF119222_1 2.0e-09 (AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47667	Strand	+
Start	17599	End	17982
Name	OJ990915_14.9B08.C27.o4.gp	Method	AAT/GAP
Start	17599	End	17982
GI	uC-osflcyp033a04b1	Score	673
Exons	17599..17982		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47668	Strand	+
Start	25041	End	31206
Name	OJ990915_14.9B08.C27.o6.gs	Method	GENSCAN
Start	25041	End	26661
GI	none	Score	.44
Exons	25041..25112, 26305..26661		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47668	Strand	+
Start	25041	End	31206
Name	OJ990915_14.9B08.C27.o6.np	Method	AAT/NAP
Start	26499	End	31206
GI	5803270	Score	589
Exons	26499..26657, 26735..26878, 28707..28814, 31188..31206		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47669	Strand	-
Start	4766	End	6161
Name	OJ990915_14.9B08.C27.o2.gs	Method	GENSCAN
Start	4766	End	6161
GI	none	Score	.84
Exons	4766..4854, 5148..5261, 5966..6161		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47670	Strand	-
Start	9230	End	17639
Name	OJ990915_14.9B08.C27.o3.np	Method	AAT/NAP
Start	9230	End	11543
GI	4680201	Score	154
Exons	9230..9336, 11220..11543		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47670	Strand	-
Start	9230	End	17639
Name	OJ990915_14.9B08.C27.o4.gs	Method	GENSCAN
Start	9999	End	17639
GI	none	Score	.7
Exons	9999..10007, 10957..11023, 11092..11126, 11220..11667, 11799..12028, 12216..12255, 14041..14068, 14237..14322, 15080..15134, 15321..15356, 16264..16673, 16725..16841, 17461..17639		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
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Gene No.	47671	Strand	-
Start	19694	End	23234
Name	OJ990915_14.9B08.C27.o5.gs	Method	GENSCAN
Start	19694	End	23234
GI	none	Score	.41
Exons	19694..20144, 20300..20449, 20692..21330, 21411..21508, 21539..21730, 21798..21922, 22091..22776, 23191..23234		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47671	Strand	-
Start	19694	End	23234
Name	OJ990915_14.9B08.C27.o4.np	Method	AAT/NAP
Start	20587	End	22036
GI	6721561	Score	1005
Exons	20587..21330, 21411..21469, 21539..21730, 21968..22036		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47672	Strand	-
Start	27171	End	33282
Name	OJ990915_14.9B08.C27.o1.tw	Method	TBLASTX:Wheat
Start	1216	End	1580
GI	none	Score	62
Exons	1216..1320, 1224..1325, 1241..1324, 1431..1550, 1432..1554, 1432..1554, 1433..1555, 1476..1580		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47672	Strand	-
Start	27171	End	33282
Name	OJ990915_14.9B08.C27.o1.tc	Method	TBLASTX:Cress
Start	1224	End	1555
GI	none	Score	102
Exons	1224..1325, 1241..1318, 1433..1555, 1435..1554		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47672	Strand	-
Start	27171	End	33282
Name	OJ990915_14.9B08.C27.o1.tm	Method	TBLASTX:Maize
Start	1224	End	1794
GI	none	Score	125
Exons	1224..1325, 1227..1292, 1241..1318, 1432..1554, 1433..1555, 1435..1554, 1632..1673, 1759..1794		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47672	Strand	-
Start	27171	End	33282
Name	OJ990915_14.9B08.C27.o1.ts	Method	TBLASTX:Soybean
Start	1224	End	1566
GI	none	Score	98
Exons	1224..1325, 1433..1564, 1437..1556, 1438..1566		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47672	Strand	-

Start	27171	End	33282
Name	OJ990915_14.9B08.C27.o2.tm	Method	TBLASTX:Maize
Start	7390	End	11484
GI	none	Score	197
Exons	7390..7569, 7391..7564, 7397..7570, 11311..11448, 11311..11484, 11343..11477		

Seq. No.	22911	Seq. ID	OJ990915_14.9B08.C27
Gene No.	47672	Strand	-
Start	27171	End	33282
Name	OJ990915_14.9B08.C27.o7.gs	Method	GENSCAN
Start	27171	End	33282
GI	none	Score	.45
Exons	27171..27477, 27497..27738, 27744..28006, 28688..28763, 30173..30310, 32381..32416, 32830..32906, 33189..33282		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47673	Strand	+
Start	760	End	14014
Name	OJ990915_14.9B08.C28.o1.gs	Method	GENSCAN
Start	760	End	13250
GI	none	Score	.51
Exons	760..884, 916..1102, 2118..2271, 3345..3572, 5056..5124, 5133..5234, 6381..6571, 7273..8092, 8255..9302, 9401..9721, 10136..10196, 10280..11247, 12054..12790, 13048..13250		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47673	Strand	+
Start	760	End	14014
Name	OJ990915_14.9B08.C28.o2.np	Method	AAT/NAP
Start	1081	End	14014
GI	5091513	Score	1674
Exons	1081..1102, 10792..11425, 12080..13183, 13567..13645, 13759..13924, 13964..14014		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47673	Strand	+
Start	760	End	14014
Name	OJ990915_14.9B08.C28.o1.np	Method	AAT/NAP
Start	1964	End	8640
GI	5852180	Score	458
Exons	1964..2021, 3001..3118, 3170..3616, 8563..8640		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47673	Strand	+
Start	760	End	14014
Name	OJ990915_14.9B08.C28.o2.gp	Method	AAT/GAP
Start	9743	End	9849
GI	5816518	Score	155
Exons	9743..9849		
GI Descrip.	4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47673	Strand	+

Start	760	End	14014
Name	OJ990915_14.9B08.C28.o3.gp	Method	AAT/GAP
Start	9857	End	10105
GI	3761181	Score	418
Exons	9857..10105		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47673	Strand	+
Start	760	End	14014
Name	OJ990915_14.9B08.C28.o2.gs	Method	GENSCAN
Start	13609	End	13764
GI	none	Score	.67
Exons	13609..13764		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47674	Strand	+
Start	15132	End	17735
Name	OJ990915_14.9B08.C28.o3.gs	Method	GENSCAN
Start	15132	End	16558
GI	none	Score	.84
Exons	15132..15205, 15722..15824, 15896..16558		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47674	Strand	+
Start	15132	End	17735
Name	OJ990915_14.9B08.C28.o4.gp	Method	AAT/GAP
Start	15334	End	15580
GI	3761181	Score	429
Exons	15334..15580		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47674	Strand	+
Start	15132	End	17735
Name	OJ990915_14.9B08.C28.o3.np	Method	AAT/NAP
Start	15705	End	17735
GI	5732031	Score	315
Exons	15705..15837, 15921..16422, 17705..17735		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47675	Strand	+
Start	19144	End	21066
Name	OJ990915_14.9B08.C28.o5.gp	Method	AAT/GAP
Start	19144	End	19980
GI	3548947	Score	907
Exons	19144..19614, 19935..19980		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47675	Strand	+
Start	19144	End	21066
Name	OJ990915_14.9B08.C28.o4.np	Method	AAT/NAP
Start	19269	End	21066
GI	228207	Score	150

Exons 19269..19436, 20307..20569, 20699..20875, 20985..21066
 GI Descrip. tnpl protein [Antirrhinum majus]

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47676	Strand	-
Start	1870	End	2251
Name	OJ990915_14.9B08.C28.o1.gp	Method	AAT/GAP
Start	1870	End	2251
GI	uC-osflcyp033a04b1	Score	687
Exons	1870..2251		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o3.ts	Method	TBLASTX:Soybean
Start	7564	End	7800
GI	none	Score	197
Exons	7564..7800		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o1.tc	Method	TBLASTX:Cress
Start	7836	End	8187
GI	none	Score	94
Exons	7836..7943, 7855..7944, 7966..8187, 8028..8168		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o2.tw	Method	TBLASTX:Wheat
Start	7975	End	8262
GI	none	Score	300
Exons	7975..8262, 7980..8168		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o4.tm	Method	TBLASTX:Maize
Start	8022	End	8475
GI	none	Score	255
Exons	8022..8168, 8032..8265, 8032..8181, 8278..8475, 8280..8474		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o2.ts	Method	TBLASTX:Soybean
Start	8305	End	8544
GI	none	Score	200
Exons	8305..8544, 8307..8522		

Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o5.tm	Method	TBLASTX:Maize

Start	8608	End	8814
GI	none	Score	200
Exons	8608..8814, 8682..8813		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o3.tm	Method	TBLASTX:Maize
Start	8857	End	9303
GI	none	Score	400
Exons	8857..9303, 8859..9302, 9157..9303		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o1.ts	Method	TBLASTX:Soybean
Start	8890	End	9291
GI	none	Score	140
Exons	8890..9042, 8937..9047, 9052..9291, 9171..9290		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o1.tw	Method	TBLASTX:Wheat
Start	8953	End	16294
GI	none	Score	259
Exons	8953..9306, 9006..9125, 9180..9272, 9384..9515, 9398..9517, 9624..9719, 16118..16294		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o2.tm	Method	TBLASTX:Maize
Start	15801	End	16180
GI	none	Score	43
Exons	15801..15836, 15895..16140, 15896..16180, 16038..16169		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47677	Strand	-
Start	18990	End	20222
Name	OJ990915_14.9B08.C28.o4.gs	Method	GENSCAN
Start	18990	End	20222
GI	none	Score	.4
Exons	18990..19228, 19518..19612, 20039..20222		
Seq. No.	22912	Seq. ID	OJ990915_14.9B08.C28
Gene No.	47678	Strand	-
Start	20326	End	20857
Name	OJ990915_14.9B08.C28.o1.tm	Method	TBLASTX:Maize
Start	20326	End	20857
GI	none	Score	264
Exons	20326..20514, 20327..20539, 20519..20578, 20534..20581, 20668..20856, 20670..20816, 20672..20857		
Seq. No.	22913	Seq. ID	OJ990915_14.9B08.C29
Gene No.	47679	Strand	+
Start	110	End	1613

Name	OJ990915_14.9B08.C29.ol.gs	Method	GENSCAN
Start	110	End	1613
GI	none	Score	.85
Exons	110..268, 520..603, 853..918, 1021..1086, 1383..1448, 1566..1613		

Seq. No.	22914	Seq. ID	OJ990915_13.9B04.C1
Gene No.	47680	Strand	+
Start	171	End	278
Name	OJ990915_13.9B04.C1.ol.gs	Method	GENSCAN
Start	171	End	278
GI	none	Score	.4
Exons	171..278		

Seq. No.	22915	Seq. ID	OJ990915_13.9B04.C3
Gene No.	47681	Strand	+
Start	1	End	787
Name	OJ990915_13.9B04.C3.ol.np	Method	AAT/NAP
Start	1	End	732
GI	6742729	Score	589
Exons	1..732		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	22915	Seq. ID	OJ990915_13.9B04.C3
Gene No.	47681	Strand	+
Start	1	End	787
Name	OJ990915_13.9B04.C3.ol.tm	Method	TBLASTX:Maize
Start	2	End	256
GI	none	Score	205
Exons	2..256, 28..237, 113..256		

Seq. No.	22915	Seq. ID	OJ990915_13.9B04.C3
Gene No.	47681	Strand	+
Start	1	End	787
Name	OJ990915_13.9B04.C3.ol.tw	Method	TBLASTX:Wheat
Start	2	End	787
GI	none	Score	412
Exons	2..442, 4..444, 449..649, 502..639, 647..787, 661..786		

Seq. No.	22915	Seq. ID	OJ990915_13.9B04.C3
Gene No.	47681	Strand	+
Start	1	End	787
Name	OJ990915_13.9B04.C3.ol.tc	Method	TBLASTX:Cress
Start	187	End	613
GI	none	Score	231
Exons	187..444, 191..442, 449..613, 502..609		

Seq. No.	22916	Seq. ID	OJ990915_13.9B04.C4
Gene No.	47682	Strand	+
Start	619	End	6249
Name	OJ990915_13.9B04.C4.ol.gs	Method	GENSCAN
Start	619	End	6212
GI	none	Score	.67
Exons	619..792, 1509..1632, 2575..2820, 2870..3072, 3174..3309, 4118..4448, 5113..5252, 5274..5660, 5739..6212		

Seq. No.	22916	Seq. ID	OJ990915_13.9B04.C4
Gene No.	47682	Strand	+

Start	619	End	6249
Name	OJ990915_13.9B04.C4.o3.np	Method	AAT/NAP
Start	1007	End	6249
GI	4680204	Score	89
Exons	1007..1099, 4128..4428, 6097..6249		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	22916	Seq. ID	OJ990915_13.9B04.C4
Gene No.	47682	Strand	+
Start	619	End	6249
Name	OJ990915_13.9B04.C4.o2.np	Method	AAT/NAP
Start	1612	End	4578
GI	5852179	Score	250
Exons	1612..1632, 2620..2820, 2895..3072, 4561..4578		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	22916	Seq. ID	OJ990915_13.9B04.C4
Gene No.	47682	Strand	+
Start	619	End	6249
Name	OJ990915_13.9B04.C4.o2.gp	Method	AAT/GAP
Start	1970	End	2706
GI	101153_1.R1084	Score	389
Exons	1970..2201, 2657..2706		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	22916	Seq. ID	OJ990915_13.9B04.C4
Gene No.	47683	Strand	-
Start	720	End	992
Name	OJ990915_13.9B04.C4.o1.gp	Method	AAT/GAP
Start	720	End	992
GI	61605_1.R1084	Score	470
Exons	720..992		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	22916	Seq. ID	OJ990915_13.9B04.C4
Gene No.	47684	Strand	-
Start	1364	End	6249
Name	OJ990915_13.9B04.C4.o1.np	Method	AAT/NAP
Start	1364	End	6249
GI	6063554	Score	230
Exons	1364..1537, 2172..2203, 2859..2972, 3007..3098, 3150..3253, 3304..3432, 6223..6249		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22917	Seq. ID	OJ990915_13.9B04.C5
Gene No.	47685	Strand	+
Start	120	End	4832
Name	OJ990915_13.9B04.C5.o1.gs	Method	GENSCAN
Start	120	End	4832
GI	none	Score	.61
Exons	120..719, 747..1000, 1079..1249, 4517..4832		

Seq. No.	22918	Seq. ID	OJ990915_13.9B04.C6
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Gene No.	47686	Strand	+
Start	1	End	2988
Name	OJ990915_13.9B04.C6.o1.np	Method	AAT/NAP
Start	1	End	514
GI	6907106	Score	381
Exons	1..233, 270..514		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22918	Seq. ID	OJ990915_13.9B04.C6
Gene No.	47686	Strand	+
Start	1	End	2988
Name	OJ990915_13.9B04.C6.o1.tm	Method	TBLASTX:Maize
Start	109	End	417
GI	none	Score	65
Exons	109..180, 122..181, 127..207, 131..208, 188..268, 191..268, 193..279, 211..270, 282..329, 284..415, 285..416, 285..416, 376..417		

Seq. No.	22918	Seq. ID	OJ990915_13.9B04.C6
Gene No.	47686	Strand	+
Start	1	End	2988
Name	OJ990915_13.9B04.C6.o1.gs	Method	GENSCAN
Start	387	End	2988
GI	none	Score	.81
Exons	387..502, 1746..2988		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47687	Strand	+
Start	5628	End	10310
Name	OJ990915_13.9B04.C7.o2.gs	Method	GENSCAN
Start	5628	End	8075
GI	none	Score	.41
Exons	5628..5710, 6001..6399, 7450..7531, 8067..8075		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47687	Strand	+
Start	5628	End	10310
Name	OJ990915_13.9B04.C7.o1.np	Method	AAT/NAP
Start	6562	End	10310
GI	6063554	Score	431
Exons	6562..6661, 8577..8855, 8973..9185, 9464..9500, 10136..10310		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47687	Strand	+
Start	5628	End	10310
Name	OJ990915_13.9B04.C7.o1.gp	Method	AAT/GAP
Start	8612	End	8921
GI	2312818	Score	581
Exons	8612..8921		
GI Descrip.	5852170/emb AL117265.1 OST17804 2.0e-27 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
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Gene No.	47687	Strand	+
Start	5628	End	10310
Name	OJ990915_13.9B04.C7.o2.gp	Method	AAT/GAP
Start	8966	End	9701
GI	101153_1.R1084	Score	652
Exons	8966..9155, 9473..9701		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl7804'		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47688	Strand	+
Start	10680	End	10985
Name	OJ990915_13.9B04.C7.o5.gp	Method	AAT/GAP
Start	10680	End	10985
GI	61605_3.R1084	Score	423
Exons	10680..10985		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47689	Strand	+
Start	19052	End	19189
Name	OJ990915_13.9B04.C7.o6.gs	Method	GENSCAN
Start	19052	End	19189
GI	none	Score	.89
Exons	19052..19189		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47690	Strand	-
Start	1863	End	4558
Name	OJ990915_13.9B04.C7.o1.gs	Method	GENSCAN
Start	1863	End	4558
GI	none	Score	.76
Exons	1863..2003, 2629..2796, 3168..3196, 3316..4558		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47691	Strand	-
Start	8901	End	18224
Name	OJ990915_13.9B04.C7.o3.gs	Method	GENSCAN
Start	8901	End	14740
GI	none	Score	.65
Exons	8901..9308, 9416..9568, 10072..10165, 10396..10471, 10538..10697, 11457..11556, 11683..11750, 12765..12866, 14678..14740		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47691	Strand	-
Start	8901	End	18224
Name	OJ990915_13.9B04.C7.o2.np	Method	AAT/NAP
Start	14457	End	16135
GI	6646758	Score	385
Exons	14457..14552, 14678..14746, 14851..14911, 15234..15404, 15514..15617, 15911..16135		
GI Descrip.	(AC013258) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47691	Strand	-

Start	8901	End	18224
Name	OJ990915_13.9B04.C7.o6.gp	Method	AAT/GAP
Start	15579	End	18224
GI	none	Score	769
Exons	15579..15617, 15911..16130, 17918..18090, 18195..18224		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47692	Strand	-
Start	19879	End	21009
Name	OJ990915_13.9B04.C7.o1.tw	Method	TBLASTX:Wheat
Start	14486	End	14914
GI	none	Score	113
Exons	14486..14554, 14488..14553, 14488..14574, 14657..14761, 14678..14746, 14682..14747, 14682..14762, 14683..14772, 14843..14914, 14845..14913		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47692	Strand	-
Start	19879	End	21009
Name	OJ990915_13.9B04.C7.o1.ts	Method	TBLASTX:Soybean
Start	14490	End	16049
GI	none	Score	93
Exons	14490..14555, 14494..14556, 14657..14761, 14682..14735, 14830..14913, 14849..14911, 14853..14915, 15480..15617, 15553..15630, 15908..16048, 15909..16049		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47692	Strand	-
Start	19879	End	21009
Name	OJ990915_13.9B04.C7.o1.tm	Method	TBLASTX:Maize
Start	15480	End	16046
GI	none	Score	88
Exons	15480..15617, 15492..15608, 15544..15630, 15553..15630, 15908..16045, 15909..16046		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47692	Strand	-
Start	19879	End	21009
Name	OJ990915_13.9B04.C7.o1.tc	Method	TBLASTX:Cress
Start	15908	End	16049
GI	none	Score	130
Exons	15908..15985, 15909..15989, 15909..15986, 15986..16048, 15987..16049		

Seq. No.	22919	Seq. ID	OJ990915_13.9B04.C7
Gene No.	47692	Strand	-
Start	19879	End	21009
Name	OJ990915_13.9B04.C7.o7.gs	Method	GENSCAN
Start	19879	End	21009
GI	none	Score	.69
Exons	19879..19984, 20117..20257, 20849..21009		

Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47693	Strand	+
Start	1227	End	6872
Name	OJ990915_13.9B04.C8.o1.np	Method	AAT/NAP
Start	1227	End	6872

GI 6498441 Score 6954
 Exons 1227..2291, 2622..3085, 3149..3522, 3706..3840, 4014..4441, 4634..4929, 5100..6497, 6591..6872
 GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No. 22920 Seq. ID OJ990915_13.9B04.C8
 Gene No. 47694 Strand +
 Start 11074 End 14882
 Name OJ990915_13.9B04.C8.o3.gs Method GENSCAN
 Start 11074 End 12590
 GI none Score .95
 Exons 11074..11177, 11765..11837, 11937..12026, 12295..12465, 12570..12590

Seq. No. 22920 Seq. ID OJ990915_13.9B04.C8
 Gene No. 47694 Strand +
 Start 11074 End 14882
 Name OJ990915_13.9B04.C8.o4.np Method AAT/NAP
 Start 11898 End 14882
 GI 3980378 Score 94
 Exons 11898..12026, 12592..12730, 14842..14882
 GI Descrip. (AC004561) putative RNA-binding protein [Arabidopsis thaliana]

Seq. No. 22920 Seq. ID OJ990915_13.9B04.C8
 Gene No. 47695 Strand -
 Start 7502 End 10793
 Name OJ990915_13.9B04.C8.o2.gs Method GENSCAN
 Start 7502 End 10793
 GI none Score .72
 Exons 7502..9132, 9205..9437, 9532..10793

Seq. No. 22920 Seq. ID OJ990915_13.9B04.C8
 Gene No. 47695 Strand -
 Start 7502 End 10793
 Name OJ990915_13.9B04.C8.o2.np Method AAT/NAP
 Start 7505 End 10793
 GI 6907089 Score 5069
 Exons 7505..9437, 9532..10793
 GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 22920 Seq. ID OJ990915_13.9B04.C8
 Gene No. 47696 Strand -
 Start 11608 End 12498
 Name OJ990915_13.9B04.C8.o7.tw Method TBLASTX:Wheat
 Start 479 End 12401
 GI none Score 55
 Exons 479..547, 6261..6545, 6266..6544, 6737..6859, 6738..6863, 12333..12401

Seq. No. 22920 Seq. ID OJ990915_13.9B04.C8
 Gene No. 47696 Strand -
 Start 11608 End 12498
 Name OJ990915_13.9B04.C8.o6.tw Method TBLASTX:Wheat
 Start 1216 End 8472
 GI none Score 36

Exons 1216..1251, 1376..1423, 1430..1528, 1435..1527, 1507..1734,
1511..1768, 8362..8472

Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o4.tm	Method	TBLASTX:Maize
Start	1381	End	1666
GI	none	Score	197
Exons	1381..1665, 1418..1666		

Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o5.tw	Method	TBLASTX:Wheat
Start	1776	End	5234
GI	none	Score	184
Exons	1776..1829, 4801..4998, 4866..4991, 4989..5051, 4994..5041, 5085..5234, 5094..5231, 5111..5233		

Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o3.tw	Method	TBLASTX:Wheat
Start	2506	End	2992
GI	none	Score	416
Exons	2506..2679, 2507..2992, 2701..2961		

Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o1.tw	Method	TBLASTX:Wheat
Start	3156	End	3619
GI	none	Score	209
Exons	3156..3599, 3157..3612, 3158..3619, 3158..3613		

Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o2.ts	Method	TBLASTX:Soybean
Start	3197	End	3562
GI	none	Score	117
Exons	3197..3421, 3428..3562		

Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o1.tm	Method	TBLASTX:Maize
Start	3287	End	3643
GI	none	Score	387
Exons	3287..3643, 3322..3633, 3527..3643		

Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o3.tm	Method	TBLASTX:Maize
Start	3670	End	4053

GI	none	Score	286
Exons	3670..3948, 3671..3949, 3943..4053		
Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o2.tw	Method	TBLASTX:Wheat
Start	3727	End	4146
GI	none	Score	280
Exons	3727..3948, 3728..3958, 3728..3949, 3940..4146, 3966..4139		
Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o1.ts	Method	TBLASTX:Soybean
Start	3806	End	4176
GI	none	Score	154
Exons	3806..3949, 3823..3948, 3946..4176		
Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o8.tw	Method	TBLASTX:Wheat
Start	5237	End	5549
GI	none	Score	183
Exons	5237..5335, 5289..5549		
Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o2.tm	Method	TBLASTX:Maize
Start	5742	End	6065
GI	none	Score	347
Exons	5742..6065, 5771..6052		
Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o4.tw	Method	TBLASTX:Wheat
Start	5880	End	6260
GI	none	Score	357
Exons	5880..6260, 5981..6229		
Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o5.tm	Method	TBLASTX:Maize
Start	6732	End	6875
GI	none	Score	184
Exons	6732..6875, 6737..6871		
Seq. No.	22920	Seq. ID	OJ990915_13.9B04.C8
Gene No.	47696	Strand	-
Start	11608	End	12498
Name	OJ990915_13.9B04.C8.o3.np	Method	AAT/NAP
Start	11608	End	12498
GI	5922623	Score	202

Exons 11608..11683, 11851..12009, 12418..12498
 GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein
 [Oryza sativa]

Seq. No.	22921	Seq. ID	OJ990915_13.9B04.C9
Gene No.	47697	Strand	+
Start	976	End	3751
Name	OJ990915_13.9B04.C9.o1.gs	Method	GENSCAN
Start	976	End	3751
GI	none	Score	.54
Exons	976..1118, 2785..2916, 3292..3506, 3674..3751		

Seq. No.	22921	Seq. ID	OJ990915_13.9B04.C9
Gene No.	47698	Strand	+
Start	5979	End	11246
Name	OJ990915_13.9B04.C9.o2.np	Method	AAT/NAP
Start	5979	End	9732
GI	3702342	Score	61
Exons	5979..6025, 7218..7452, 9712..9732		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22921	Seq. ID	OJ990915_13.9B04.C9
Gene No.	47698	Strand	+
Start	5979	End	11246
Name	OJ990915_13.9B04.C9.o3.gs	Method	GENSCAN
Start	7057	End	10951
GI	none	Score	.88
Exons	7057..7770, 10361..10951		

Seq. No.	22921	Seq. ID	OJ990915_13.9B04.C9
Gene No.	47698	Strand	+
Start	5979	End	11246
Name	OJ990915_13.9B04.C9.o3.np	Method	AAT/NAP
Start	8524	End	11246
GI	3702342	Score	287
Exons	8524..8546, 10435..11246		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22921	Seq. ID	OJ990915_13.9B04.C9
Gene No.	47699	Strand	+
Start	14036	End	14566
Name	OJ990915_13.9B04.C9.o4.gs	Method	GENSCAN
Start	14036	End	14566
GI	none	Score	.74
Exons	14036..14566		

Seq. No.	22921	Seq. ID	OJ990915_13.9B04.C9
Gene No.	47700	Strand	-
Start	5605	End	5811
Name	OJ990915_13.9B04.C9.o2.gs	Method	GENSCAN
Start	5605	End	5811
GI	none	Score	.6
Exons	5605..5811		

Seq. No.	22921	Seq. ID	OJ990915_13.9B04.C9
Gene No.	47701	Strand	-

Start	6344	End	7769
Name	OJ990915_13.9B04.C9.o1.np	Method	AAT/NAP
Start	6344	End	7769
GI	5852084	Score	81
Exons	6344..6444, 7749..7769		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	22921	Seq. ID	OJ990915_13.9B04.C9
Gene No.	47702	Strand	-
Start	12234	End	14670
Name	OJ990915_13.9B04.C9.o1.tm	Method	TBLASTX:Maize
Start	10718	End	10972
GI	none	Score	304
Exons	10718..10972, 10718..10969		

Seq. No.	22921	Seq. ID	OJ990915_13.9B04.C9
Gene No.	47702	Strand	-
Start	12234	End	14670
Name	OJ990915_13.9B04.C9.o1.gp	Method	AAT/GAP
Start	12234	End	14670
GI	none	Score	1187
Exons	12234..12569, 14374..14670		

Seq. No.	22922	Seq. ID	OJ990915_13.9B04.C10
Gene No.	47703	Strand	+
Start	255	End	806
Name	OJ990915_13.9B04.C10.o1.gs	Method	GENSCAN
Start	255	End	806
GI	none	Score	.74
Exons	255..806		

Seq. No.	22922	Seq. ID	OJ990915_13.9B04.C10
Gene No.	47704	Strand	-
Start	1	End	2775
Name	OJ990915_13.9B04.C10.o1.np	Method	AAT/NAP
Start	1	End	2775
GI	3746069	Score	256
Exons	1..85, 1721..2775		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	22922	Seq. ID	OJ990915_13.9B04.C10
Gene No.	47704	Strand	-
Start	1	End	2775
Name	OJ990915_13.9B04.C10.o2.tw	Method	TBLASTX:Wheat
Start	1721	End	1944
GI	none	Score	119
Exons	1721..1810, 1807..1944		

Seq. No.	22922	Seq. ID	OJ990915_13.9B04.C10
Gene No.	47704	Strand	-
Start	1	End	2775
Name	OJ990915_13.9B04.C10.o1.tm	Method	TBLASTX:Maize
Start	2168	End	2560
GI	none	Score	87
Exons	2168..2314, 2324..2542, 2324..2560		

Seq. No.	22922	Seq. ID	OJ990915_13.9B04.C10
Gene No.	47704	Strand	-
Start	1	End	2775
Name	OJ990915_13.9B04.C10.o1.tw	Method	TBLASTX:Wheat
Start	2180	End	2744
GI	none	Score	119
Exons	2180..2278, 2369..2623, 2382..2744		

Seq. No.	22922	Seq. ID	OJ990915_13.9B04.C10
Gene No.	47704	Strand	-
Start	1	End	2775
Name	OJ990915_13.9B04.C10.o1.ts	Method	TBLASTX:Soybean
Start	2354	End	2755
GI	none	Score	68
Exons	2354..2539, 2429..2671, 2528..2755, 2529..2750		

Seq. No.	22922	Seq. ID	OJ990915_13.9B04.C10
Gene No.	47704	Strand	-
Start	1	End	2775
Name	OJ990915_13.9B04.C10.o2.tm	Method	TBLASTX:Maize
Start	2561	End	2774
GI	none	Score	197
Exons	2561..2617, 2565..2774, 2669..2773		

Seq. No.	22923	Seq. ID	OJ990915_13.9B04.C11
Gene No.	47705	Strand	-
Start	300	End	1331
Name	OJ990915_13.9B04.C11.o1.gs	Method	GENSCAN
Start	300	End	1219
GI	none	Score	.78
Exons	300..487, 768..1219		

Seq. No.	22923	Seq. ID	OJ990915_13.9B04.C11
Gene No.	47705	Strand	-
Start	300	End	1331
Name	OJ990915_13.9B04.C11.o1.tw	Method	TBLASTX:Wheat
Start	352	End	756
GI	none	Score	97
Exons	352..483, 354..500, 505..756, 506..595		

Seq. No.	22923	Seq. ID	OJ990915_13.9B04.C11
Gene No.	47705	Strand	-
Start	300	End	1331
Name	OJ990915_13.9B04.C11.o2.tw	Method	TBLASTX:Wheat
Start	977	End	1331
GI	none	Score	122
Exons	977..1189, 979..1203, 1002..1328, 1003..1329, 1278..1331		

Seq. No.	22924	Seq. ID	OJ990915_13.9B04.C15
Gene No.	47706	Strand	-
Start	781	End	1254
Name	OJ990915_13.9B04.C15.o1.gs	Method	GENSCAN
Start	781	End	1254
GI	none	Score	.58
Exons	781..1015, 1074..1254		

Seq. No.	22925	Seq. ID	OJ990915_13.9B04.C17
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Gene No. 47707
 Start 140
 Name OJ990915_13.9B04.C17.o1.gs
 Start 140
 GI none
 Exons 140..199

Strand +
 End 199
 Method GENSCAN
 End 199
 Score .77

Seq. No. 22925
 Gene No. 47708
 Start 1
 Name OJ990915_13.9B04.C17.o1.np
 Start 1
 GI 5257270
 Exons 1..32, 121..351
 GI Descrip. (AP000364) hypothetical protein [Oryza sativa]

Seq. ID OJ990915_13.9B04.C17
 Strand -
 End 351
 Method AAT/NAP
 End 351
 Score 149

Seq. No. 22926
 Gene No. 47709
 Start 1
 Name OJ990915_13.9B04.C20.o1.np
 Start 1
 GI 6498441
 Exons 1..576, 766..835
 GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the

Seq. ID OJ990915_13.9B04.C20
 Strand +
 End 835
 Method AAT/NAP
 End 835
 Score 858

predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No. 22926
 Gene No. 47709
 Start 1
 Name OJ990915_13.9B04.C20.o1.gs
 Start 63
 GI none
 Exons 63..788

Seq. ID OJ990915_13.9B04.C20
 Strand +
 End 835
 Method GENSCAN
 End 788
 Score .63

Seq. No. 22927
 Gene No. 47710
 Start 125
 Name OJ990915_13.9B04.C21.o1.gs
 Start 125
 GI none
 Exons 125..257, 299..417, 419..545

Seq. ID OJ990915_13.9B04.C21
 Strand -
 End 545
 Method GENSCAN
 End 545
 Score .47

Seq. No. 22928
 Gene No. 47711
 Start 28
 Name OJ990915_18.9B01.C1.o1.gs
 Start 28
 GI none
 Exons 28..582, 790..1230

Seq. ID OJ990915_18.9B01.C1
 Strand +
 End 1230
 Method GENSCAN
 End 1230
 Score .97

Seq. No. 22928
 Gene No. 47712
 Start 23312
 Name OJ990915_18.9B01.C1.o3.np
 Start 23312
 GI 6911873

Seq. ID OJ990915_18.9B01.C1
 Strand +
 End 24997
 Method AAT/NAP
 End 24997
 Score 282

Exons 23312..23373, 24632..24997
 GI Descrip. (AL138655) putative protein [Arabidopsis thaliana]

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47712	Strand	+
Start	23312	End	24997
Name	OJ990915_18.9B01.C1.o5.gs	Method	GENSCAN
Start	23934	End	24962
GI	none	Score	.63
Exons	23934..23963, 24358..24462, 24614..24796, 24814..24962		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47713	Strand	-
Start	3120	End	4172
Name	OJ990915_18.9B01.C1.o2.gs	Method	GENSCAN
Start	3120	End	4172
GI	none	Score	1
Exons	3120..4172		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47713	Strand	-
Start	3120	End	4172
Name	OJ990915_18.9B01.C1.o1.np	Method	AAT/NAP
Start	3303	End	4151
GI	6911873	Score	545
Exons	3303..4151		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47714	Strand	-
Start	5549	End	6448
Name	OJ990915_18.9B01.C1.o1.gp	Method	AAT/GAP
Start	5549	End	6448
GI	6547_1.R1084	Score	1316
Exons	5549..6281, 6380..6448		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o6.ts	Method	TBLASTX:Soybean
Start	3303	End	16005
GI	none	Score	65
Exons	3303..3524, 15784..16005, 15863..15982		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o2.tm	Method	TBLASTX:Maize
Start	3312	End	24993
GI	none	Score	74
Exons	3312..3575, 3315..3647, 3657..3836, 3664..3837, 3922..3975, 3924..3971, 3975..4007, 15793..16056, 15796..16128, 16135..16236, 16138..16317, 16145..16318, 22694..22741, 22745..22777, 24631..24732, 24632..24775, 24713..24778, 24820..24993		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o1.tc	Method	TBLASTX:Cress
Start	3333	End	24993
GI	none	Score	64
Exons	3333..3827, 3357..3428, 3475..3822, 3930..4007, 15814..16308, 15838..15909, 15956..16303, 22700..22807, 24641..24775, 24646..24717, 24783..24992, 24784..24993		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o1.ts	Method	TBLASTX:Soybean
Start	3537	End	24930
GI	none	Score	71
Exons	3537..3833, 3550..3690, 3739..3846, 3897..4007, 3907..3987, 16018..16314, 16031..16171, 16220..16327, 22655..22780, 22677..22769, 24622..24729, 24635..24775, 24781..24930, 24786..24917		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o6.tm	Method	TBLASTX:Maize
Start	5624	End	5970
GI	none	Score	171
Exons	5624..5833, 5625..5828, 5787..5813, 5834..5869, 5915..5968, 5926..5970, 5928..5969		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o2.np	Method	AAT/NAP
Start	16965	End	21134
GI	4234852	Score	4432
Exons	16965..20924, 20958..21134		
GI Descrip..	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o7.tm	Method	TBLASTX:Maize
Start	17004	End	17462
GI	none	Score	55
Exons	17004..17195, 17244..17420, 17403..17462		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o3.tw	Method	TBLASTX:Wheat
Start	17016	End	17415
GI	none	Score	118
Exons	17016..17411, 17182..17415		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
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Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o4.ts	Method	TBLASTX:Soybean
Start	17019	End	17585
GI	none	Score	131
Exons	17019..17210, 17199..17390, 17403..17585		
Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o3.tm	Method	TBLASTX:Maize
Start	17475	End	17906
GI	none	Score	126
Exons	17475..17771, 17476..17631, 17745..17906		
Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o1.tw	Method	TBLASTX:Wheat
Start	17571	End	18351
GI	none	Score	154
Exons	17571..18020, 17575..18021, 17997..18350, 18004..18351, 18006..18350		
Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o4.tm	Method	TBLASTX:Maize
Start	17907	End	18350
GI	none	Score	136
Exons	17907..18008, 18042..18350, 18043..18333		
Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o2.ts	Method	TBLASTX:Soybean
Start	18042	End	18479
GI	5509260	Score	41
Exons	18042..18479, 18043..18075, 18118..18390, 18446..18472		
GI Descrip.	-		
Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o2.tc	Method	TBLASTX:Cress
Start	18132	End	18392
GI	none	Score	116
Exons	18132..18392, 18154..18390		
Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o5.ts	Method	TBLASTX:Soybean
Start	18990	End	19376
GI	none	Score	77
Exons	18990..19163, 19167..19376, 19195..19374		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o2.tw	Method	TBLASTX:Wheat
Start	18993	End	19655
GI	none	Score	35
Exons	18993..19091, 19018..19092, 19071..19376, 19093..19353, 19416..19655, 19417..19641		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o3.tc	Method	TBLASTX:Cress
Start	18996	End	19376
GI	none	Score	123
Exons	18996..19163, 19176..19376		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o5.tm	Method	TBLASTX:Maize
Start	19182	End	19640
GI	none	Score	80
Exons	19182..19367, 19204..19365, 19416..19640		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o3.ts	Method	TBLASTX:Soybean
Start	19431	End	19817
GI	none	Score	122
Exons	19431..19817, 19600..19806		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o4.tw	Method	TBLASTX:Wheat
Start	19674	End	20111
GI	none	Score	115
Exons	19674..19844, 19914..20111		

Seq. No.	22928	Seq. ID	OJ990915_18.9B01.C1
Gene No.	47715	Strand	-
Start	16965	End	24993
Name	OJ990915_18.9B01.C1.o1.tm	Method	TBLASTX:Maize
Start	20031	End	21042
GI	none	Score	50
Exons	20031..20096, 20137..20187, 20292..20423, 20311..20352, 20433..21041, 20463..20717, 20464..21042		

Seq. No.	22929	Seq. ID	OJ990915_18.9B01.C2
Gene No.	47716	Strand	-
Start	2115	End	2729
Name	OJ990915_18.9B01.C2.o2.gs	Method	GENSCAN
Start	2115	End	2729
GI	none	Score	.53
Exons	2115..2168, 2655..2729		

Seq. No.	22930	Seq. ID	OJ990915_18.9B01.C3
Gene No.	47717	Strand	+
Start	3605	End	8938
Name	OJ990915_18.9B01.C3.o1.gs	Method	GENSCAN
Start	3605	End	8820
GI	none	Score	.71
Exons	3605..3701, 4731..4886, 4965..5075, 5610..6069, 6111..6260, 6278..6508, 6648..6720, 7883..8153, 8248..8321, 8689..8820		

Seq. No.	22930	Seq. ID	OJ990915_18.9B01.C3
Gene No.	47717	Strand	+
Start	3605	End	8938
Name	OJ990915_18.9B01.C3.o1.np	Method	AAT/NAP
Start	6646	End	8174
GI	6815062	Score	549
Exons	6646..6720, 7883..8174		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	22930	Seq. ID	OJ990915_18.9B01.C3
Gene No.	47717	Strand	+
Start	3605	End	8938
Name	OJ990915_18.9B01.C3.o2.np	Method	AAT/NAP
Start	8241	End	8938
GI	5922623	Score	323
Exons	8241..8321, 8689..8938		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22930	Seq. ID	OJ990915_18.9B01.C3
Gene No.	47718	Strand	-
Start	7473	End	7551
Name	OJ990915_18.9B01.C3.o1.gp	Method	AAT/GAP
Start	7473	End	7551
GI	58045_2.R1084	Score	114
Exons	7473..7551		
GI Descrip.	'2224899 3.0e-25 (U67133) DNA-binding protein PcMYB1 [Petroselinum crispum]'		

Seq. No.	22930	Seq. ID	OJ990915_18.9B01.C3
Gene No.	47719	Strand	
Start	7991	End	8176
Name	OJ990915_18.9B01.C3.o1.tm	Method	TBLASTX:Maize
Start	7991	End	8176
GI	none	Score	218
Exons	7991..8176, 7993..8169		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47720	Strand	+
Start	145	End	222
Name	OJ990915_18.9B01.C4.o1.gs	Method	GENSCAN
Start	145	End	222
GI	none	Score	.51
Exons	145..222		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47721	Strand	+
Start	824	End	4052
Name	OJ990915_18.9B01.C4.o1.np	Method	AAT/NAP
Start	824	End	4052
GI	6907089	Score	4096
Exons	824..2085, 2185..4052		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47721	Strand	+
Start	824	End	4052
Name	OJ990915_18.9B01.C4.o2.gs	Method	GENSCAN
Start	824	End	4009
GI	none	Score	.47
Exons	824..4009		
Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47722	Strand	+
Start	8872	End	14018
Name	OJ990915_18.9B01.C4.o4.np	Method	AAT/NAP
Start	8872	End	14018
GI	6815062	Score	1405
Exons	8872..8893, 11958..12551, 12634..12732, 12810..13149, 13778..14018		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudra like protein (AC004561) [Oryza sativa]		
Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47722	Strand	+
Start	8872	End	14018
Name	OJ990915_18.9B01.C4.o3.np	Method	AAT/NAP
Start	10880	End	13061
GI	5922623	Score	419
Exons	10880..10960, 11328..11475, 11643..11718, 12848..13061		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47722	Strand	+
Start	8872	End	14018
Name	OJ990915_18.9B01.C4.o5.gs	Method	GENSCAN
Start	11334	End	13163
GI	none	Score	.69
Exons	11334..11459, 11882..12242, 12448..12551, 12634..12732, 12810..13163		
Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47723	Strand	-
Start	4648	End	10803
Name	OJ990915_18.9B01.C4.o3.gs	Method	GENSCAN
Start	4648	End	8313
GI	none	Score	1
Exons	4648..8313		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47723	Strand	-
Start	4648	End	10803
Name	OJ990915_18.9B01.C4.o2.np	Method	AAT/NAP
Start	4651	End	10297
GI	6498441	Score	6822
Exons	4651..4932, 5026..6423, 6595..7077, 7270..7510, 7685..7819, 8003..8376, 8440..8903, 9234..10297		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47723	Strand	-
Start	4648	End	10803
Name	OJ990915_18.9B01.C4.o4.gs	Method	GENSCAN
Start	8377	End	10803
GI	none	Score	.99
Exons	8377..10803		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o7.tw	Method	TBLASTX:Wheat
Start	4660	End	5262
GI	none	Score	177
Exons	4660..4785, 4978..5262, 4979..5257		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o4.tw	Method	TBLASTX:Wheat
Start	5263	End	5644
GI	none	Score	161
Exons	5263..5643, 5294..5542, 5588..5644		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o3.tm	Method	TBLASTX:Maize
Start	5458	End	5781
GI	none	Score	178
Exons	5458..5781, 5471..5764		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o8.tw	Method	TBLASTX:Wheat
Start	5974	End	6286
GI	none	Score	63
Exons	5974..6234, 6110..6286		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o2.ts	Method	TBLASTX:Soybean

Start	6034	End	6600
GI	5666795	Score	68
Exons	6034..6234, 6289..6426, 6502..6600		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o5.tw	Method	TBLASTX:Wheat
Start	6289	End	6747
GI	none	Score	87
Exons	6289..6438, 6290..6427, 6485..6658, 6499..6747, 6499..6723		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o1.ts	Method	TBLASTX:Soybean
Start	7348	End	7719
GI	none	Score	85
Exons	7348..7719, 7559..7702		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o2.tw	Method	TBLASTX:Wheat
Start	7373	End	7798
GI	none	Score	334
Exons	7373..7798, 7378..7797		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o4.tm	Method	TBLASTX:Maize
Start	7471	End	7855
GI	none	Score	221
Exons	7471..7854, 7490..7855		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o2.tm	Method	TBLASTX:Maize
Start	7882	End	8238
GI	none	Score	116
Exons	7882..8187, 7882..8238, 7892..8203		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o1.tw	Method	TBLASTX:Wheat
Start	7906	End	8369
GI	none	Score	400
Exons	7906..8367, 7907..8368, 7926..8369		

Seq. No.	22931	Seq. ID	OJ990915_18.9B01.C4
Gene No.	47724	Strand	-
Start	13523	End	14180
Name	OJ990915_18.9B01.C4.o3.ts	Method	TBLASTX:Soybean

Start 7963
 GI none
 Exons 7963..8097, 8104..8328

End 8328
 Score 117

Seq. No. 22931
 Gene No. 47724
 Start 13523
 Name OJ990915_18.9B01.C4.o3.tw
 Start 8533
 GI none
 Exons 8533..9018, 8537..8824, 8846..9019

Seq. ID OJ990915_18.9B01.C4
 Strand -
 End 14180
 Method TBLASTX:Wheat
 End 9019
 Score 172

Seq. No. 22931
 Gene No. 47724
 Start 13523
 Name OJ990915_18.9B01.C4.o6.tw
 Start 9757
 GI none
 Exons 9757..10014, 9791..10030, 9997..10095, 9998..10078, 10102..10149

Seq. ID OJ990915_18.9B01.C4
 Strand -
 End 14180
 Method TBLASTX:Wheat
 End 10149
 Score 88

Seq. No. 22931
 Gene No. 47724
 Start 13523
 Name OJ990915_18.9B01.C4.o5.tm
 Start 9859
 GI none
 Exons 9859..10107, 9860..10144

Seq. ID OJ990915_18.9B01.C4
 Strand -
 End 14180
 Method TBLASTX:Maize
 End 10144
 Score 103

Seq. No. 22931
 Gene No. 47724
 Start 13523
 Name OJ990915_18.9B01.C4.o1.tm
 Start 11957
 GI none
 Exons 11957..12019, 12047..12358, 12049..12354, 12071..12358

Seq. ID OJ990915_18.9B01.C4
 Strand -
 End 14180
 Method TBLASTX:Maize
 End 12358
 Score 54

Seq. No. 22931
 Gene No. 47724
 Start 13523
 Name OJ990915_18.9B01.C4.o6.gs
 Start 13523
 GI none
 Exons 13523..13672, 13737..13802, 13867..14062, 14099..14180

Seq. ID OJ990915_18.9B01.C4
 Strand -
 End 14180
 Method GENSCAN
 End 14180
 Score .88

Seq. No. 22932
 Gene No. 47725
 Start 743
 Name OJ990915_18.9B01.C5.o1.gs
 Start 743
 GI none
 Exons 743..883, 1029..1427, 1565..1661, 2098..2387, 2560..2769, 2897..3136, 3237..3374

Seq. ID OJ990915_18.9B01.C5
 Strand +
 End 3374
 Method GENSCAN
 End 3374
 Score .62

Seq. No. 22932
 Gene No. 47725
 Start 743
 Name OJ990915_18.9B01.C5.o1.np

Seq. ID OJ990915_18.9B01.C5
 Strand +
 End 3374
 Method AAT/NAP

Start 833 End 3371
 GI 169777 Score 2388
 Exons 833..883, 1029..1427, 1565..1729, 2124..2387, 2560..2769,
 2897..3148, 3249..3371
 GI Descrip. (L10345) beta-amylase [Oryza sativa]

Seq. No. 22932 Seq. ID OJ990915_18.9B01.C5
 Gene No. 47726 Strand -
 Start 1860 End 3428
 Name OJ990915_18.9B01.C5.o1.tm Method TBLASTX:Maize
 Start 784 End 3428
 GI none Score 67
 Exons 784..882, 809..886, 824..880, 1028..1099, 1028..1438,
 1029..1439, 1236..1442, 1538..1729, 1562..1729, 1563..1736,
 2115..2387, 2123..2389, 2124..2393, 2557..2772, 2561..2770,
 2562..2777, 2893..3138, 2894..3136, 2895..3143, 2896..3138,
 3235..3393, 3236..3424, 3237..3398, 3237..3428

Seq. No. 22932 Seq. ID OJ990915_18.9B01.C5
 Gene No. 47726 Strand -
 Start 1860 End 3428
 Name OJ990915_18.9B01.C5.o1.ts Method TBLASTX:Soybean
 Start 1028 End 3133
 GI none Score 403
 Exons 1028..1087, 1149..1439, 1172..1423, 1299..1427, 1562..1726,
 1564..1725, 2121..2393, 2123..2389, 2557..2781, 2562..2780,
 2893..3129, 2894..3133

Seq. No. 22932 Seq. ID OJ990915_18.9B01.C5
 Gene No. 47726 Strand -
 Start 1860 End 3428
 Name OJ990915_18.9B01.C5.o1.tw Method TBLASTX:Wheat
 Start 1089 End 1651
 GI none Score 449
 Exons 1089..1187, 1149..1448, 1160..1438, 1236..1442, 1538..1651,
 1562..1651

Seq. No. 22932 Seq. ID OJ990915_18.9B01.C5
 Gene No. 47726 Strand -
 Start 1860 End 3428
 Name OJ990915_18.9B01.C5.o1.tc Method TBLASTX:Cress
 Start 1149 End 3133
 GI none Score 393
 Exons 1149..1439, 1172..1420, 1236..1442, 1562..1726, 1567..1725,
 2115..2378, 2121..2393, 2123..2389, 2545..2772, 2562..2621,
 2655..2777, 2894..3133, 2896..3066

Seq. No. 22932 Seq. ID OJ990915_18.9B01.C5
 Gene No. 47726 Strand -
 Start 1860 End 3428
 Name OJ990915_18.9B01.C5.o2.tw Method TBLASTX:Wheat
 Start 1651 End 2312
 GI none Score 126
 Exons 1651..1728, 1652..1729, 1656..1736, 2122..2277, 2124..2312,
 2126..2311

Seq. No. 22932 Seq. ID OJ990915_18.9B01.C5

Gene No.	47726	Strand	-
Start	1860	End	3428
Name	OJ990915_18.9B01.C5.o1.gp	Method	AAT/GAP
Start	1860	End	2310
GI	uC-osflM202043f12b1	Score	874
Exons	1860..2310		
GI Descrip.	'169777 4.0e-33 (L10345) beta-amylase [Oryza sativa]'		

Seq. No.	22932	Seq. ID	OJ990915_18.9B01.C5
Gene No.	47726	Strand	-
Start	1860	End	3428
Name	OJ990915_18.9B01.C5.o3.tw	Method	TBLASTX:Wheat
Start	2542	End	2715
GI	none	Score	199
Exons	2542..2715, 2562..2618		

Seq. No.	22933	Seq. ID	OJ990915_18.9B01.C6
Gene No.	47727	Strand	+
Start	5100	End	7456
Name	OJ990915_18.9B01.C6.o2.gs	Method	GENSCAN
Start	5100	End	7456
GI	none	Score	.74
Exons	5100..5395, 6148..7456		

Seq. No.	22934	Seq. ID	OJ990915_18.9B01.C7
Gene No.	47728	Strand	+
Start	266	End	504
Name	OJ990915_18.9B01.C7.o1.np	Method	AAT/NAP
Start	266	End	504
GI	6815062	Score	298
Exons	266..504		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudra like protein (AC004561) [Oryza sativa]		

Seq. No.	22934	Seq. ID	OJ990915_18.9B01.C7
Gene No.	47729	Strand	-
Start	277	End	398
Name	OJ990915_18.9B01.C7.o1.gs	Method	GENSCAN
Start	277	End	398
GI	none	Score	.51
Exons	277..398		

Seq. No.	22935	Seq. ID	OJ990915_12.9B12.C1
Gene No.	47730	Strand	+
Start	1	End	759
Name	OJ990915_12.9B12.C1.o1.np	Method	AAT/NAP
Start	1	End	759
GI	5257279	Score	1104
Exons	1..759		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	22935	Seq. ID	OJ990915_12.9B12.C1
Gene No.	47730	Strand	+
Start	1	End	759
Name	OJ990915_12.9B12.C1.o2.tm	Method	TBLASTX:Maize

Start 1
GI none
Exons 1..237, 16..192

End 237
Score 218

Seq. No. 22935
Gene No. 47730
Start 1
Name OJ990915_12.9B12.C1.o1.tw
Start 1
GI none
Exons 1..357, 3..329

Seq. ID OJ990915_12.9B12.C1
Strand +
End 759
Method TBLASTX:Wheat
End 357
Score 435

Seq. No. 22935
Gene No. 47730
Start 1
Name OJ990915_12.9B12.C1.o1.tc
Start 4
GI none
Exons 4..393

Seq. ID OJ990915_12.9B12.C1
Strand +
End 759
Method TBLASTX:Cress
End 393
Score 176

Seq. No. 22935
Gene No. 47730
Start 1
Name OJ990915_12.9B12.C1.o1.gs
Start 55
GI none
Exons 55..698

Seq. ID OJ990915_12.9B12.C1
Strand +
End 759
Method GENSCAN
End 698
Score .99

Seq. No. 22935
Gene No. 47730
Start 1
Name OJ990915_12.9B12.C1.o1.tm
Start 244
GI none
Exons 244..423, 409..744, 570..722

Seq. ID OJ990915_12.9B12.C1
Strand +
End 759
Method TBLASTX:Maize
End 744
Score 159

Seq. No. 22935
Gene No. 47730
Start 1
Name OJ990915_12.9B12.C1.o1.ts
Start 298
GI none
Exons 298..330, 315..374, 334..693, 450..665

Seq. ID OJ990915_12.9B12.C1
Strand +
End 759
Method TBLASTX:Soybean
End 693
Score 56

Seq. No. 22935
Gene No. 47730
Start 1
Name OJ990915_12.9B12.C1.o2.tw
Start 406
GI none
Exons 406..759, 450..758

Seq. ID OJ990915_12.9B12.C1
Strand +
End 759
Method TBLASTX:Wheat
End 759
Score 420

Seq. No. 22936
Gene No. 47731
Start 1
Name OJ990915_12.9B12.C3.o1.np
Start 1

Seq. ID OJ990915_12.9B12.C3
Strand -
End 1312
Method AAT/NAP
End 1312

GI 5257279 Score 401
 Exons 1..289, 337..1023, 1246..1312
 GI Descrip. (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]

Seq. No. 22936 Seq. ID OJ990915_12.9B12.C3
 Gene No. 47731 Strand -
 Start 1 End 1312
 Name OJ990915_12.9B12.C3.o2.np Method AAT/NAP
 Start 1 End 1270
 GI 4680179 Score 510
 Exons 1..111, 214..1270
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No. 22936 Seq. ID OJ990915_12.9B12.C3
 Gene No. 47731 Strand -
 Start 1 End 1312
 Name OJ990915_12.9B12.C3.o1.gs Method GENSCAN
 Start 25 End 1147
 GI none Score .47
 Exons 25..1147

Seq. No. 22936 Seq. ID OJ990915_12.9B12.C3
 Gene No. 47731 Strand -
 Start 1 End 1312
 Name OJ990915_12.9B12.C3.o1.tm Method TBLASTX:Maize
 Start 392 End 793
 GI none Score 242
 Exons 392..793

Seq. No. 22936 Seq. ID OJ990915_12.9B12.C3
 Gene No. 47731 Strand -
 Start 1 End 1312
 Name OJ990915_12.9B12.C3.o1.tw Method TBLASTX:Wheat
 Start 674 End 1051
 GI none Score 60
 Exons 674..1051, 933..1034

Seq. No. 22937 Seq. ID OJ990915_12.9B12.C4
 Gene No. 47732 Strand -
 Start 1 End 5369
 Name OJ990915_12.9B12.C4.o1.np Method AAT/NAP
 Start 1 End 5133
 GI 4680179 Score 4005
 Exons 1..2938, 3041..3916, 5004..5133
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No. 22937 Seq. ID OJ990915_12.9B12.C4
 Gene No. 47732 Strand -
 Start 1 End 5369
 Name OJ990915_12.9B12.C4.o4.tw Method TBLASTX:Wheat
 Start 3 End 524
 GI none Score 263
 Exons 3..524, 4..429

Seq. No. 22937 Seq. ID OJ990915_12.9B12.C4
 Gene No. 47732 Strand -

Start 1
 Name OJ990915_12.9B12.C4.o6.tm
 Start 3
 GI none
 Exons 3..239, 25..240

End 5369
 Method TBLASTX:Maize
 End 240
 Score 143

Seq. No. 22937
 Gene No. 47732
 Start 1
 Name OJ990915_12.9B12.C4.o2.tm
 Start 246
 GI none
 Exons 246..551, 249..566, 493..564

Seq. ID OJ990915_12.9B12.C4
 Strand -
 End 5369
 Method TBLASTX:Maize
 End 566
 Score 202

Seq. No. 22937
 Gene No. 47732
 Start 1
 Name OJ990915_12.9B12.C4.o2.ts
 Start 483
 GI none
 Exons 483..611, 483..731, 493..738

Seq. ID OJ990915_12.9B12.C4
 Strand -
 End 5369
 Method TBLASTX:Soybean
 End 738
 Score 74

Seq. No. 22937
 Gene No. 47732
 Start 1
 Name OJ990915_12.9B12.C4.o1.tc
 Start 507
 GI none
 Exons 507..650, 523..648, 651..803, 651..824

Seq. ID OJ990915_12.9B12.C4
 Strand -
 End 5369
 Method TBLASTX:Cress
 End 824
 Score 101

Seq. No. 22937
 Gene No. 47732
 Start 1
 Name OJ990915_12.9B12.C4.o2.tw
 Start 531
 GI none
 Exons 531..1055, 535..903

Seq. ID OJ990915_12.9B12.C4
 Strand -
 End 5369
 Method TBLASTX:Wheat
 End 1055
 Score 262

Seq. No. 22937
 Gene No. 47732
 Start 1
 Name OJ990915_12.9B12.C4.o5.tm
 Start 567
 GI none
 Exons 567..884, 568..771, 582..845

Seq. ID OJ990915_12.9B12.C4
 Strand -
 End 5369
 Method TBLASTX:Maize
 End 884
 Score 124

Seq. No. 22937
 Gene No. 47732
 Start 1
 Name OJ990915_12.9B12.C4.o1.tm
 Start 1088
 GI none
 Exons 1088..1450, 1098..1451, 1150..1449

Seq. ID OJ990915_12.9B12.C4
 Strand -
 End 5369
 Method TBLASTX:Maize
 End 1451
 Score 219

Seq. No. 22937
 Gene No. 47732
 Start 1

Seq. ID OJ990915_12.9B12.C4
 Strand -
 End 5369

Name	OJ990915_12.9B12.C4.o1.tw	Method	TBLASTX:Wheat
Start	1098	End	1524
GI	none	Score	112
Exons	1098..1523, 1100..1462, 1113..1466, 1135..1524		
Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o3.ts	Method	TBLASTX:Soybean
Start	1272	End	1517
GI	none	Score	210
Exons	1272..1517		
Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o3.tm	Method	TBLASTX:Maize
Start	1488	End	1988
GI	none	Score	59
Exons	1488..1823, 1510..1662, 1809..1988		
Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o5.tw	Method	TBLASTX:Wheat
Start	1530	End	1826
GI	none	Score	186
Exons	1530..1826, 1567..1809		
Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o1.ts	Method	TBLASTX:Soybean
Start	1539	End	1934
GI	none	Score	198
Exons	1539..1898, 1567..1920, 1902..1934		
Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o3.tw	Method	TBLASTX:Wheat
Start	1875	End	2358
GI	none	Score	165
Exons	1875..2357, 1884..2330, 1903..2358		
Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o4.tm	Method	TBLASTX:Maize
Start	2058	End	2346
GI	none	Score	89
Exons	2058..2336, 2058..2345, 2059..2346		
Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o6.tw	Method	TBLASTX:Wheat

Start	2505	End	2904
GI	none	Score	85
Exons	2505..2669, 2518..2673, 2682..2903, 2749..2904		

Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o8.tm	Method	TBLASTX:Maize
Start	2586	End	2910
GI	none	Score	72
Exons	2586..2903, 2586..2909, 2797..2910		

Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o7.tm	Method	TBLASTX:Maize
Start	3219	End	3620
GI	none	Score	234
Exons	3219..3620		

Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o7.tw	Method	TBLASTX:Wheat
Start	3501	End	3878
GI	none	Score	254
Exons	3501..3878		

Seq. No.	22937	Seq. ID	OJ990915_12.9B12.C4
Gene No.	47732	Strand	-
Start	1	End	5369
Name	OJ990915_12.9B12.C4.o2.np	Method	AAT/NAP
Start	4588	End	5369
GI	6002794	Score	1252
Exons	4588..5369		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47733	Strand	+
Start	1	End	261
Name	OJ990915_12.9B12.C5.o1.np	Method	AAT/NAP
Start	1	End	261
GI	6907087	Score	150
Exons	1..84, 160..261		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47734	Strand	+
Start	724	End	1106
Name	OJ990915_12.9B12.C5.o1.gp	Method	AAT/GAP
Start	724	End	1106
GI	uC-osflcyp033a04b1	Score	680
Exons	724..1106		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47735	Strand	+
Start	5977	End	7531
Name	OJ990915_12.9B12.C5.o2.gs	Method	GENSCAN
Start	5977	End	7531
GI	none	Score	.54
Exons	5977..6058, 6173..6255, 7085..7531		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47735	Strand	+
Start	5977	End	7531
Name	OJ990915_12.9B12.C5.o2.gp	Method	AAT/GAP
Start	6516	End	6707
GI	5667165	Score	360
Exons	6516..6707		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47736	Strand	-
Start	154	End	4426
Name	OJ990915_12.9B12.C5.o1.gs	Method	GENSCAN
Start	154	End	4426
GI	none	Score	.59
Exons	154..260, 2101..2271, 3119..3255, 4386..4426		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47736	Strand	-
Start	154	End	4426
Name	OJ990915_12.9B12.C5.o2.np	Method	AAT/NAP
Start	653	End	2601
GI	4680186	Score	244
Exons	653..857, 2572..2601		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o3.np	Method	AAT/NAP
Start	8739	End	10505
GI	4680179	Score	2132
Exons	8739..10505		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o3.gs	Method	GENSCAN
Start	8768	End	10417
GI	none	Score	.77
Exons	8768..9400, 9509..10417		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o3.tw	Method	TBLASTX:Wheat

Start	8783	End	9116
GI	none	Score	94
Exons	8783..9115, 8804..8941, 8835..9116		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o4.tm	Method	TBLASTX:Maize
Start	8798	End	8956
GI	none	Score	189
Exons	8798..8956		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	8966	End	9559
GI	none	Score	64
Exons	8966..9061, 8966..9400, 8976..9404, 9136..9408, 9404..9559, 9408..9554		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o1.tw	Method	TBLASTX:Wheat
Start	9116	End	9742
GI	none	Score	316
Exons	9116..9742, 9117..9686		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o2.tm	Method	TBLASTX:Maize
Start	9611	End	9903
GI	none	Score	237
Exons	9611..9901, 9615..9890, 9751..9903		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o1.ts	Method	TBLASTX:Soybean
Start	9701	End	9956
GI	none	Score	178
Exons	9701..9949, 9702..9956		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o1.tc	Method	TBLASTX:Cress
Start	9725	End	10042
GI	none	Score	101
Exons	9725..9868, 9741..9866, 9869..10042, 9923..10021		

Seq. No.	22938	Seq. ID	OJ990915_12.9B12.C5
Gene No.	47737	Strand	-
Start	8768	End	10505
Name	OJ990915_12.9B12.C5.o2.tw	Method	TBLASTX:Wheat

Start 9749
 GI none
 Exons 9749..10273, 9753..10070

End 10273
 Score 251

Seq. No. 22938
 Gene No. 47737
 Start 8768
 Name OJ990915_12.9B12.C5.o3.tm
 Start 10316
 GI none
 Exons 10316..10495, 10319..10486, 10368..10493

Seq. ID OJ990915_12.9B12.C5
 Strand -
 End 10505
 Method TBLASTX:Maize
 End 10495
 Score 96

Seq. No. 22938
 Gene No. 47737
 Start 8768
 Name OJ990915_12.9B12.C5.o4.tw
 Start 10316
 GI none
 Exons 10316..10495, 10318..10464, 10331..10471, 10353..10493

Seq. ID OJ990915_12.9B12.C5
 Strand -
 End 10505
 Method TBLASTX:Wheat
 End 10495
 Score 71

Seq. No. 22939
 Gene No. 47738
 Start 4057
 Name OJ990915_12.9B12.C6.o2.gs
 Start 4057
 GI none
 Exons 4057..4548

Seq. ID OJ990915_12.9B12.C6
 Strand -
 End 4548
 Method GENSCAN
 End 4548
 Score .73

Seq. No. 22939
 Gene No. 47739
 Start 6751
 Name OJ990915_12.9B12.C6.o1.tc
 Start 4057
 GI none
 Exons 4057..4128, 4123..4200, 4216..4275, 4303..4359, 4366..4479, 6748..6819, 6811..6894, 6901..6963, 6991..7047, 7054..7146

Seq. ID OJ990915_12.9B12.C6
 Strand -
 End 7189
 Method TBLASTX:Cress
 End 7146
 Score 89

Seq. No. 22939
 Gene No. 47739
 Start 6751
 Name OJ990915_12.9B12.C6.o1.tm
 Start 4060
 GI none
 Exons 4060..4119, 4126..4200, 4204..4302, 4312..4374, 4366..4458, 6751..6810, 6811..7062, 6815..6904, 7054..7146, 7091..7189

Seq. ID OJ990915_12.9B12.C6
 Strand -
 End 7189
 Method TBLASTX:Maize
 End 7189
 Score 82

Seq. No. 22939
 Gene No. 47739
 Start 6751
 Name OJ990915_12.9B12.C6.o1.tw
 Start 4060
 GI none
 Exons 4060..4119, 4126..4200, 4136..4195, 4204..4308, 4279..4380, 4322..4351, 4387..4458, 4402..4458, 6644..6673, 6751..6810, 6811..6933, 6815..6904, 6907..6996, 6967..7068, 7010..7039, 7075..7146, 7091..7180

Seq. ID OJ990915_12.9B12.C6
 Strand -
 End 7189
 Method TBLASTX:Wheat
 End 7180
 Score 62

Seq. No.	22939	Seq. ID	OJ990915_12.9B12.C6
Gene No.	47739	Strand	-
Start	6751	End	7189
Name	OJ990915_12.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	4111	End	7188
GI	none	Score	100
Exons	4111..4200, 4219..4281, 4303..4359, 4366..4458, 6826..6969, 6991..7047, 7054..7188		

Seq. No.	22939	Seq. ID	OJ990915_12.9B12.C6
Gene No.	47739	Strand	-
Start	6751	End	7189
Name	OJ990915_12.9B12.C6.o1.np	Method	AAT/NAP
Start	6751	End	7189
GI	1498731	Score	308
Exons	6751..7189		
GI Descrip.	(U64806) pathogenesis-related protein PR1 [Brassica napus]		

Seq. No.	22940	Seq. ID	OJ990915_12.9B12.C7
Gene No.	47740	Strand	+
Start	44	End	148
Name	OJ990915_12.9B12.C7.o1.gs	Method	GENSCAN
Start	44	End	148
GI	none	Score	.4
Exons	44..148		

Seq. No.	22940	Seq. ID	OJ990915_12.9B12.C7
Gene No.	47741	Strand	-
Start	624	End	1623
Name	OJ990915_12.9B12.C7.o2.gs	Method	GENSCAN
Start	624	End	1623
GI	none	Score	.84
Exons	624..761, 858..1025, 1462..1623		

Seq. No.	22940	Seq. ID	OJ990915_12.9B12.C7
Gene No.	47742	Strand	-
Start	3067	End	3439
Name	OJ990915_12.9B12.C7.o3.gs	Method	GENSCAN
Start	3067	End	3439
GI	none	Score	.58
Exons	3067..3145, 3375..3439		

Seq. No.	22940	Seq. ID	OJ990915_12.9B12.C7
Gene No.	47743	Strand	-
Start	4154	End	11756
Name	OJ990915_12.9B12.C7.o4.gs	Method	GENSCAN
Start	4154	End	11635
GI	none	Score	.53
Exons	4154..4752, 5685..5855, 6249..6306, 6574..6626, 8506..8622, 10192..10333, 10478..10602, 11139..11278, 11298..11635		

Seq. No.	22940	Seq. ID	OJ990915_12.9B12.C7
Gene No.	47743	Strand	-
Start	4154	End	11756
Name	OJ990915_12.9B12.C7.o2.gp	Method	AAT/GAP
Start	11027	End	11756
GI	15261_1.R1084	Score	1293

Exons 11027..11756
 GI Descrip. '1888551 2.0e-29 (U89895) pathogenesis-related protein class 1 [Oryza sativa]'

Seq. No. 22940 Seq. ID OJ990915_12.9B12.C7
 Gene No. 47743 Strand -
 Start 4154 End 11756
 Name OJ990915_12.9B12.C7.ol.np Method AAT/NAP
 Start 11159 End 11653
 GI 1888551 Score 466
 Exons 11159..11653
 GI Descrip. (U89895) pathogenesis-related protein class 1 [Oryza sativa]

Seq. No. 22940 Seq. ID OJ990915_12.9B12.C7
 Gene No. 47744 Strand -
 Start 15778 End 16296
 Name OJ990915_12.9B12.C7.ol.ts Method TBLASTX:Soybean
 Start 4142 End 16218
 GI none Score 67
 Exons 4142..4294, 4266..4334, 4267..4302, 4487..4549, 4547..4609, 11156..11422, 11163..11420, 11441..11572, 11451..11555, 15772..15849, 15785..15850, 15844..15915, 15845..15919, 15923..16060, 15928..16059, 16159..16218, 16160..16213

Seq. No. 22940 Seq. ID OJ990915_12.9B12.C7
 Gene No. 47744 Strand -
 Start 15778 End 16296
 Name OJ990915_12.9B12.C7.ol.tc Method TBLASTX:Cress
 Start 4151 End 16200
 GI none Score 104
 Exons 4151..4333, 11156..11368, 11157..11324, 11402..11422, 11441..11557, 15778..15849, 15841..15954, 16024..16047, 16159..16200

Seq. No. 22940 Seq. ID OJ990915_12.9B12.C7
 Gene No. 47744 Strand -
 Start 15778 End 16296
 Name OJ990915_12.9B12.C7.ol.tw Method TBLASTX:Wheat
 Start 4157 End 16219
 GI none Score 58
 Exons 4157..4294, 4257..4316, 4307..4360, 4482..4568, 4547..4609, 4548..4610, 10966..11016, 10993..11052, 11159..11395, 11181..11396, 11441..11572, 11442..11573, 15781..15846, 15785..15838, 15850..15915, 15851..15937, 15928..16020, 15929..16018, 15937..16020, 16024..16059, 16025..16072, 16159..16218, 16160..16219

Seq. No. 22940 Seq. ID OJ990915_12.9B12.C7
 Gene No. 47744 Strand -
 Start 15778 End 16296
 Name OJ990915_12.9B12.C7.ol.tm Method TBLASTX:Maize
 Start 4259 End 16218
 GI none Score 107
 Exons 4259..4294, 4266..4334, 4487..4549, 4547..4609, 11264..11422, 11265..11420, 11441..11572, 11451..11555, 15880..15915, 15887..15919, 15923..16060, 15928..16059, 16159..16218, 16160..16213

Seq. No.	22940	Seq. ID	OJ990915_12.9B12.C7
Gene No.	47744	Strand	-
Start	15778	End	16296
Name	OJ990915_12.9B12.C7.o6.gs	Method	GENSCAN
Start	15778	End	16296
GI	none	Score	.99
Exons	15778..16296		

Seq. No.	22940	Seq. ID	OJ990915_12.9B12.C7
Gene No.	47744	Strand	-
Start	15778	End	16296
Name	OJ990915_12.9B12.C7.o2.np	Method	AAT/NAP
Start	15781	End	16296
GI	1498731	Score	336
Exons	15781..16296		
GI Descrip.	(U64806) pathogenesis-related protein PR1 [Brassica napus]		

Seq. No.	22941	Seq. ID	OJ990915_12.9B12.C8
Gene No.	47745	Strand	-
Start	86	End	1484
Name	OJ990915_12.9B12.C8.o1.gs	Method	GENSCAN
Start	86	End	1304
GI	none	Score	.61
Exons	86..208, 1026..1108, 1223..1304		

Seq. No.	22941	Seq. ID	OJ990915_12.9B12.C8
Gene No.	47745	Strand	-
Start	86	End	1484
Name	OJ990915_12.9B12.C8.o1.np	Method	AAT/NAP
Start	154	End	1484
GI	6907088	Score	1061
Exons	154..541, 1026..1263, 1440..1484		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22942	Seq. ID	OJ990915_12.9B12.C9
Gene No.	47746	Strand	+
Start	1	End	943
Name	OJ990915_12.9B12.C9.o1.np	Method	AAT/NAP
Start	1	End	943
GI	6907086	Score	575
Exons	1..514, 572..943		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22942	Seq. ID	OJ990915_12.9B12.C9
Gene No.	47746	Strand	+
Start	1	End	943
Name	OJ990915_12.9B12.C9.o1.gs	Method	GENSCAN
Start	31	End	497
GI	none	Score	.73
Exons	31..86, 175..228, 263..497		

Seq. No.	22943	Seq. ID	OJ990915_12.9B12.C12
Gene No.	47747	Strand	+
Start	1	End	2986
Name	OJ990915_12.9B12.C12.o1.np	Method	AAT/NAP
Start	1	End	1599

GI 2832646 Score 399
 Exons 1..102, 217..278, 367..1293, 1546..1599
 GI Descrip. (AL021710) MuDR transposable element - like protein [Arabidopsis thaliana]

Seq. No. 22943 Seq. ID OJ990915_12.9B12.C12
 Gene No. 47747 Strand +
 Start 1 End 2986
 Name OJ990915_12.9B12.C12.o1.gs Method GENSCAN
 Start 15 End 2986
 GI none Score .64
 Exons 15..278, 448..1380, 1468..1557, 2447..2986

Seq. No. 22943 Seq. ID OJ990915_12.9B12.C12
 Gene No. 47747 Strand +
 Start 1 End 2986
 Name OJ990915_12.9B12.C12.o1.gp Method AAT/GAP
 Start 199 End 1534
 GI uC-osflcyp111f05b1 Score 895
 Exons 199..278, 367..460, 1102..1380, 1468..1534
 GI Descrip. '5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'

Seq. No. 22943 Seq. ID OJ990915_12.9B12.C12
 Gene No. 47748 Strand -
 Start 185 End 5230
 Name OJ990915_12.9B12.C12.o1.tm Method TBLASTX:Maize
 Start 120 End 759
 GI none Score 83
 Exons 120..233, 346..462, 568..759

Seq. No. 22943 Seq. ID OJ990915_12.9B12.C12
 Gene No. 47748 Strand -
 Start 185 End 5230
 Name OJ990915_12.9B12.C12.o2.np Method AAT/NAP
 Start 185 End 5230
 GI 6705984 Score 843
 Exons 185..206, 4206..5230
 GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. No. 22943 Seq. ID OJ990915_12.9B12.C12
 Gene No. 47748 Strand -
 Start 185 End 5230
 Name OJ990915_12.9B12.C12.o1.ts Method TBLASTX:Soybean
 Start 406 End 741
 GI none Score 235
 Exons 406..741

Seq. No. 22943 Seq. ID OJ990915_12.9B12.C12
 Gene No. 47748 Strand -
 Start 185 End 5230
 Name OJ990915_12.9B12.C12.o1.tw Method TBLASTX:Wheat
 Start 1279 End 5230
 GI none Score 55
 Exons 1279..1365, 4727..5230, 4800..4841, 4805..5194, 4923..5228

Seq. No. 22943 Seq. ID OJ990915_12.9B12.C12

Gene No.	47748	Strand	-
Start	185	End	5230
Name	OJ990915_12.9B12.C12.o2.tw	Method	TBLASTX:Wheat
Start	1914	End	4648
GI	none	Score	174
Exons	1914..2000, 4379..4648		
Seq. No.	22943	Seq. ID	OJ990915_12.9B12.C12
Gene No.	47748	Strand	-
Start	185	End	5230
Name	OJ990915_12.9B12.C12.o2.gs	Method	GENSCAN
Start	3722	End	5074
GI	none	Score	.59
Exons	3722..3913, 4247..5074		
Seq. No.	22943	Seq. ID	OJ990915_12.9B12.C12
Gene No.	47748	Strand	-
Start	185	End	5230
Name	OJ990915_12.9B12.C12.o2.ts	Method	TBLASTX:Soybean
Start	4877	End	5230
GI	none	Score	94
Exons	4877..5098, 5090..5230		
Seq. No.	22944	Seq. ID	OJ990915_12.9B12.C13
Gene No.	47749	Strand	-
Start	248	End	3050
Name	OJ990915_12.9B12.C13.o1.gs	Method	GENSCAN
Start	248	End	1430
GI	none	Score	.46
Exons	248..314, 1237..1430		
Seq. No.	22944	Seq. ID	OJ990915_12.9B12.C13
Gene No.	47749	Strand	-
Start	248	End	3050
Name	OJ990915_12.9B12.C13.o1.np	Method	AAT/NAP
Start	618	End	3050
GI	6498436	Score	56
Exons	618..651, 1832..2050, 3013..3050		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47750	Strand	+
Start	3639	End	4387
Name	OJ990915_12.9B12.C14.o2.np	Method	AAT/NAP
Start	3534	End	4387
GI	4680179	Score	969
Exons	3534..4387		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47750	Strand	+
Start	3639	End	4387
Name	OJ990915_12.9B12.C14.o2.gs	Method	GENSCAN
Start	3639	End	4358
GI	none	Score	.99
Exons	3639..4358		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47751	Strand	-
Start	1852	End	2476
Name	OJ990915_12.9B12.C14.o1.gp	Method	AAT/GAP
Start	1699	End	2476
GI	12536_2.R1084	Score	1446
Exons	1699..2476		
GI Descrip.	'1888551 9.0e-38 (U89895) pathogenesis-related protein class 1 [Oryza sativa]'		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47751	Strand	-
Start	1852	End	2476
Name	OJ990915_12.9B12.C14.o1.np	Method	AAT/NAP
Start	1849	End	2379
GI	3702665	Score	435
Exons	1849..2379		
GI Descrip.	(AJ007349) pathogenesis-related protein 1.2 [Triticum aestivum]		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47751	Strand	-
Start	1852	End	2476
Name	OJ990915_12.9B12.C14.o1.gs	Method	GENSCAN
Start	1852	End	2391
GI	none	Score	.58
Exons	1852..2391		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o3.tw	Method	TBLASTX:Wheat
Start	1877	End	2310
GI	none	Score	82
Exons	1877..1957, 1879..1944, 1946..2014, 1948..2013, 2032..2139, 2033..2137, 2158..2310		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o1.tc	Method	TBLASTX:Cress
Start	1879	End	2319
GI	none	Score	124
Exons	1879..2013, 2026..2100, 2110..2139, 2158..2319		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o1.ts	Method	TBLASTX:Soybean
Start	1879	End	2319
GI	none	Score	72
Exons	1879..1947, 1883..1957, 1942..2013, 1943..2014, 2032..2124, 2059..2127, 2113..2139, 2114..2140, 2158..2319		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o2.tm	Method	TBLASTX:Maize

Start	1879	End	2316
GI	none	Score	69
Exons	1879..1956, 1883..1957, 1946..2044, 1948..2013, 2032..2124, 2063..2128, 2113..2139, 2158..2184, 2230..2316		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	3570	End	4161
GI	none	Score	217
Exons	3570..3725, 3572..3718, 3718..3990, 3722..4150, 3723..4160, 4065..4160, 4102..4161		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o1.tw	Method	TBLASTX:Wheat
Start	3572	End	4010
GI	none	Score	512
Exons	3572..4009, 3573..4010		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o2.tw	Method	TBLASTX:Wheat
Start	4010	End	4343
GI	none	Score	375
Exons	4010..4291, 4011..4343, 4173..4322		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o3.tm	Method	TBLASTX:Maize
Start	4167	End	4328
GI	none	Score	190
Exons	4167..4325, 4170..4328		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o3.gs	Method	GENSCAN
Start	5698	End	7522
GI	none	Score	.68
Exons	5698..6144, 6971..7053, 7168..7522		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o3.np	Method	AAT/NAP
Start	6090	End	7522
GI	6907088	Score	1229
Exons	6090..6477, 6971..7208, 7385..7522		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-

Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o4.np	Method	AAT/NAP
Start	7288	End	12017
GI	4680204	Score	837
Exons	7288..7360, 9331..9817, 9909..11255, 11961..12017		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o4.gs	Method	GENSCAN
Start	8685	End	11255
GI	none	Score	.7
Exons	8685..9300, 9624..9838, 10029..10274, 10287..10669, 10838..11255		
Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o5.tw	Method	TBLASTX:Wheat
Start	9605	End	9977
GI	none	Score	62
Exons	9605..9823, 9906..9977		
Seq. No.	22945	Seq. ID	OJ990915_12.9B12.C14
Gene No.	47752	Strand	-
Start	5698	End	12017
Name	OJ990915_12.9B12.C14.o4.tw	Method	TBLASTX:Wheat
Start	10299	End	10700
GI	none	Score	81
Exons	10299..10469, 10300..10470, 10459..10599, 10464..10700, 10506..10700		
Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47753	Strand	+
Start	112	End	303
Name	OJ990915_12.9B12.C15.o1.gs	Method	GENSCAN
Start	112	End	303
GI	none	Score	.99
Exons	112..303		
Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47754	Strand	+
Start	5234	End	5680
Name	OJ990915_12.9B12.C15.o2.np	Method	AAT/NAP
Start	5231	End	5651
GI	6006310	Score	341
Exons	5231..5651		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		
Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47754	Strand	+
Start	5234	End	5680
Name	OJ990915_12.9B12.C15.o3.gs	Method	GENSCAN
Start	5234	End	5680
GI	none	Score	.98
Exons	5234..5680		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47755	Strand	-
Start	971	End	4280
Name	OJ990915_12.9B12.C15.o1.np	Method	AAT/NAP
Start	971	End	4280
GI	4680203	Score	3271
Exons	971..1947, 2224..2454, 2608..4280		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o1.tw	Method	TBLASTX:Wheat
Start	1025	End	2346
GI	none	Score	65
Exons	1025..1087, 1105..1185, 1136..1186, 1181..1339, 1192..1338, 1286..1381, 1318..1377, 1383..1448, 1384..1428, 1423..2340, 1439..2341, 2161..2346		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o1.tc	Method	TBLASTX:Cress
Start	1606	End	2053
GI	none	Score	108
Exons	1606..1755, 1606..2049, 1610..2053, 1616..2053		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o2.tm	Method	TBLASTX:Maize
Start	1984	End	2298
GI	none	Score	131
Exons	1984..2298, 2012..2287		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o3.tw	Method	TBLASTX:Wheat
Start	2347	End	2752
GI	none	Score	55
Exons	2347..2427, 2348..2431, 2353..2433, 2461..2703, 2501..2683, 2689..2751, 2702..2752		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o3.ts	Method	TBLASTX:Soybean
Start	2785	End	3027
GI	none	Score	206
Exons	2785..3027		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	2857	End	3315

GI	none	Score	105
Exons	2857..3051, 3061..3303, 3062..3313, 3166..3315		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o2.tw	Method	TBLASTX:Wheat
Start	2891	End	3360
GI	none	Score	157
Exons	2891..3097, 2891..3100, 2896..3099, 2896..3120, 3098..3190, 3100..3198, 3101..3193, 3202..3306, 3206..3307, 3304..3360, 3308..3352		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o2.tc	Method	TBLASTX:Cress
Start	3148	End	3496
GI	none	Score	76
Exons	3148..3489, 3167..3295, 3344..3496		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o1.ts	Method	TBLASTX:Soybean
Start	3229	End	3658
GI	none	Score	92
Exons	3229..3525, 3242..3493, 3575..3658, 3583..3657		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o4.tw	Method	TBLASTX:Wheat
Start	3579	End	3975
GI	none	Score	201
Exons	3579..3821, 3589..3840, 3590..3832, 3823..3975		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o1.gp	Method	AAT/GAP
Start	5876	End	6508
GI	17708_1.R1084	Score	1239
Exons	5876..6508		
GI Descrip.	'1888551 2.0e-34 (U89895) pathogenesis-related protein class 1 [Oryza sativa]'		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o2.ts	Method	TBLASTX:Soybean
Start	5937	End	6392
GI	none	Score	56
Exons	5937..5990, 5960..6094, 6066..6098, 6066..6134, 6102..6251, 6107..6226, 6245..6340, 6335..6388, 6336..6392		

Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
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Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o4.gs	Method	GENSCAN
Start	5954	End	6472
GI	none	Score	1
Exons	5954..6472		
Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o3.np	Method	AAT/NAP
Start	5957	End	6463
GI	1888551	Score	416
Exons	5957..6463		
GI Descrip.	(U89895) pathogenesis-related protein class 1 [Oryza sativa]		
Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o3.tc	Method	TBLASTX:Cress
Start	5960	End	6379
GI	none	Score	37
Exons	5960..6133, 6245..6343, 6338..6379		
Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o3.tm	Method	TBLASTX:Maize
Start	5960	End	6398
GI	none	Score	61
Exons	5960..6094, 6057..6098, 6107..6226, 6108..6224, 6335..6388, 6336..6398		
Seq. No.	22946	Seq. ID	OJ990915_12.9B12.C15
Gene No.	47756	Strand	-
Start	5876	End	6508
Name	OJ990915_12.9B12.C15.o5.tw	Method	TBLASTX:Wheat
Start	5960	End	6398
GI	none	Score	50
Exons	5960..6094, 6057..6116, 6107..6163, 6108..6203, 6335..6388, 6336..6398		
Seq. No.	22947	Seq. ID	OJ990915_12.9B12.C16
Gene No.	47757	Strand	-
Start	555	End	968
Name	OJ990915_12.9B12.C16.o1.tw	Method	TBLASTX:Wheat
Start	407	End	966
GI	none	Score	167
Exons	407..445, 564..794, 580..795, 840..965, 841..966		
Seq. No.	22947	Seq. ID	OJ990915_12.9B12.C16
Gene No.	47757	Strand	-
Start	555	End	968
Name	OJ990915_12.9B12.C16.o1.gp	Method	AAT/GAP
Start	417	End	968
GI	15261_1.R1084	Score	1084
Exons	417..968		

GI Descrip. '1888551 2.0e-29 (U89895) pathogenesis-related protein class 1 [Oryza sativa]'

Seq. No.	22947	Seq. ID	OJ990915_12.9B12.C16
Gene No.	47757	Strand	-
Start	555	End	968
Name	OJ990915_12.9B12.C16.ol.gs	Method	GENSCAN
Start	555	End	884
GI	none	Score	1
Exons	555..884		

Seq. No.	22947	Seq. ID	OJ990915_12.9B12.C16
Gene No.	47757	Strand	-
Start	555	End	968
Name	OJ990915_12.9B12.C16.ol.np	Method	AAT/NAP
Start	558	End	968
GI	1888551	Score	436
Exons	558..968		

GI Descrip. (U89895) pathogenesis-related protein class 1 [Oryza sativa]

Seq. No.	22947	Seq. ID	OJ990915_12.9B12.C16
Gene No.	47757	Strand	-
Start	555	End	968
Name	OJ990915_12.9B12.C16.ol.tc	Method	TBLASTX:Cress
Start	564	End	956
GI	none	Score	103
Exons	564..767, 580..723, 801..821, 840..956		

Seq. No.	22947	Seq. ID	OJ990915_12.9B12.C16
Gene No.	47757	Strand	-
Start	555	End	968
Name	OJ990915_12.9B12.C16.ol.ts	Method	TBLASTX:Soybean
Start	576	End	965
GI	none	Score	180
Exons	576..821, 577..819, 840..965, 850..954		

Seq. No.	22947	Seq. ID	OJ990915_12.9B12.C16
Gene No.	47757	Strand	-
Start	555	End	968
Name	OJ990915_12.9B12.C16.ol.tm	Method	TBLASTX:Maize
Start	663	End	965
GI	none	Score	107
Exons	663..821, 664..819, 840..965, 850..954		

Seq. No.	22948	Seq. ID	OJ990915_12.9B12.C17
Gene No.	47758	Strand	-
Start	557	End	630
Name	OJ990915_12.9B12.C17.ol.gs	Method	GENSCAN
Start	557	End	630
GI	none	Score	1
Exons	557..630		

Seq. No.	22949	Seq. ID	OJ990915_12.9B12.C18
Gene No.	47759	Strand	-
Start	554	End	622
Name	OJ990915_12.9B12.C18.ol.gs	Method	GENSCAN
Start	554	End	622

GI	none	Score	.44
Exons	554..622		
Seq. No.	22950	Seq. ID	OJ990825_14.9B15.C2
Gene No.	47760	Strand	-
Start	1091	End	1282
Name	OJ990825_14.9B15.C2.o1.gs	Method	GENSCAN
Start	1091	End	1282
GI	none	Score	.65
Exons	1091..1282		
Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47761	Strand	+
Start	7514	End	9191
Name	OJ990825_14.9B15.C3.o3.np	Method	AAT/NAP
Start	7514	End	9191
GI	6539588	Score	198
Exons	7514..7822, 9135..9191		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47762	Strand	-
Start	109	End	1214
Name	OJ990825_14.9B15.C3.o1.gs	Method	GENSCAN
Start	109	End	1214
GI	none	Score	.92
Exons	109..772, 892..1214		
Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47762	Strand	-
Start	109	End	1214
Name	OJ990825_14.9B15.C3.o1.np	Method	AAT/NAP
Start	484	End	777
GI	6472921	Score	129
Exons	484..777		
GI Descrip.	(AB035271) elicitor-induced DNA-binding protein homolog [Matricaria chamomilla]		
Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47763	Strand	-
Start	1285	End	5443
Name	OJ990825_14.9B15.C3.o2.np	Method	AAT/NAP
Start	1285	End	4478
GI	6016874	Score	740
Exons	1285..1546, 2479..2807, 3129..3308, 3696..3855, 4243..4478		
GI Descrip.	(AP000570) ESTs C19143(E10020), D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47763	Strand	-
Start	1285	End	5443
Name	OJ990825_14.9B15.C3.o2.gs	Method	GENSCAN
Start	2452	End	5443
GI	none	Score	.68
Exons	2452..4779, 4806..4862, 4951..5000, 5437..5443		

Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47764	Strand	-
Start	13946	End	14053
Name	OJ990825_14.9B15.C3.o3.tm	Method	TBLASTX:Maize
Start	2528	End	2776
GI	none	Score	206
Exons	2528..2758, 2530..2772, 2534..2776		

Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47764	Strand	-
Start	13946	End	14053
Name	OJ990825_14.9B15.C3.o1.ts	Method	TBLASTX:Soybean
Start	2545	End	3396
GI	none	Score	90
Exons	2545..2766, 2558..2761, 3289..3396		

Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47764	Strand	-
Start	13946	End	14053
Name	OJ990825_14.9B15.C3.o4.tm	Method	TBLASTX:Maize
Start	3118	End	3441
GI	none	Score	159
Exons	3118..3441, 3140..3394, 3238..3396, 3285..3428		

Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47764	Strand	-
Start	13946	End	14053
Name	OJ990825_14.9B15.C3.o2.tm	Method	TBLASTX:Maize
Start	3638	End	3954
GI	none	Score	151
Exons	3638..3859, 3640..3864, 3646..3885, 3874..3954		

Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47764	Strand	-
Start	13946	End	14053
Name	OJ990825_14.9B15.C3.o1.tm	Method	TBLASTX:Maize
Start	4048	End	4551
GI	none	Score	89
Exons	4048..4086, 4073..4147, 4081..4143, 4162..4419, 4163..4417, 4447..4485, 4471..4551		

Seq. No.	22951	Seq. ID	OJ990825_14.9B15.C3
Gene No.	47764	Strand	-
Start	13946	End	14053
Name	OJ990825_14.9B15.C3.o4.gs	Method	GENSCAN
Start	13946	End	14053
GI	none	Score	.6
Exons	13946..14053		

Seq. No.	22952	Seq. ID	OJ990825_14.9B15.C7
Gene No.	47765	Strand	+
Start	115	End	456
Name	OJ990825_14.9B15.C7.o1.gs	Method	GENSCAN
Start	115	End	456
GI	none	Score	.78
Exons	115..341, 360..456		

Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47766	Strand	+
Start	256	End	356
Name	OJ990825_14.9B15.C9.o1.gs	Method	GENSCAN
Start	256	End	356
GI	none	Score	.63
Exons	256..356		
Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47767	Strand	-
Start	505	End	2838
Name	OJ990825_14.9B15.C9.o1.gp	Method	AAT/GAP
Start	505	End	2333
GI	993_2.R1084	Score	2362
Exons	505..1233, 1750..2062, 2157..2333		
GI Descrip.	'1815681 1.0e-131 (U85246) expansin [Oryza sativa]'		
Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47767	Strand	-
Start	505	End	2838
Name	OJ990825_14.9B15.C9.o2.tm	Method	TBLASTX:Maize
Start	753	End	1047
GI	none	Score	42
Exons	753..824, 777..809, 803..829, 901..969, 934..1047, 966..1046		
Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47767	Strand	-
Start	505	End	2838
Name	OJ990825_14.9B15.C9.o2.gs	Method	GENSCAN
Start	930	End	2280
GI	none	Score	.85
Exons	930..1233, 1750..2062, 2157..2280		
Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47767	Strand	-
Start	505	End	2838
Name	OJ990825_14.9B15.C9.o1.np	Method	AAT/NAP
Start	933	End	2280
GI	1815681	Score	1286
Exons	933..1233, 1750..2062, 2157..2280		
GI Descrip.	(U85246) expansin [Oryza sativa]		
Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47767	Strand	-
Start	505	End	2838
Name	OJ990825_14.9B15.C9.o1.ts	Method	TBLASTX:Soybean
Start	934	End	2218
GI	none	Score	323
Exons	934..1236, 966..1235, 1750..2040, 1755..2063, 2155..2217, 2156..2218		
Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47767	Strand	-
Start	505	End	2838
Name	OJ990825_14.9B15.C9.o2.tc	Method	TBLASTX:Cress
Start	943	End	1128
GI	none	Score	145

Exons 943..1128, 966..1127

Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47767	Strand	-
Start	505	End	2838
Name	OJ990825_14.9B15.C9.o1.tm	Method	TBLASTX:Maize
Start	1048	End	2247
GI	none	Score	277
Exons	1048..1236, 1053..1235, 1750..2037, 1755..2063, 1755..1961, 1762..1962, 2155..2247, 2156..2218		

Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47767	Strand	-
Start	505	End	2838
Name	OJ990825_14.9B15.C9.o1.tw	Method	TBLASTX:Wheat
Start	1059	End	2838
GI	none	Score	70
Exons	1059..1118, 1062..1235, 1063..1239, 1750..1896, 1755..1892, 2683..2838		

Seq. No.	22953	Seq. ID	OJ990825_14.9B15.C9
Gene No.	47767	Strand	-
Start	505	End	2838
Name	OJ990825_14.9B15.C9.o1.tc	Method	TBLASTX:Cress
Start	1128	End	2218
GI	none	Score	140
Exons	1128..1235, 1129..1239, 1750..2040, 1755..2063, 2155..2217, 2156..2218		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47768	Strand	+
Start	675	End	866
Name	OJ990825_14.9B15.C10.o1.gp	Method	AAT/GAP
Start	675	End	866
GI	4138298	Score	284
Exons	675..866		
GI Descrip.	4138299/emb CAA75509 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47769	Strand	+
Start	1223	End	3261
Name	OJ990825_14.9B15.C10.o1.gs	Method	GENSCAN
Start	1223	End	3261
GI	none	Score	.7
Exons	1223..1382, 1657..1881, 1950..2215, 2239..2518, 2538..2648, 2782..2926, 3004..3261		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47770	Strand	+
Start	6486	End	6902
Name	OJ990825_14.9B15.C10.o2.gp	Method	AAT/GAP
Start	6436	End	6757
GI	27145_1.R1084	Score	640
Exons	6436..6757		
GI Descrip.	'2497752/sp Q43017 NLT1_PRUDU 1.0e-09 NONSPECIFIC LIPID-TRANSFER PROTEIN 1 PRECURSOR (LTP 1) >gi_1321911_emb_CAA65475_ (X96714)		

lipid transfer protein [Prunus dulcis]'

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47770	Strand	+
Start	6486	End	6902
Name	OJ990825_14.9B15.C10.o3.gs	Method	GENSCAN
Start	6486	End	6902
GI	none	Score	.88
Exons	6486..6902		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47771	Strand	+
Start	8641	End	9209
Name	OJ990825_14.9B15.C10.o4.gs	Method	GENSCAN
Start	8641	End	9209
GI	none	Score	.45
Exons	8641..8918, 8957..9209		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47771	Strand	+
Start	8641	End	9209
Name	OJ990825_14.9B15.C10.o2.np	Method	AAT/NAP
Start	8678	End	9203
GI	6630539	Score	302
Exons	8678..9203		
GI Descrip.	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47772	Strand	+
Start	13178	End	18059
Name	OJ990825_14.9B15.C10.o6.gs	Method	GENSCAN
Start	13178	End	18059
GI	none	Score	.59
Exons	13178..13309, 13585..13884, 14003..14411, 16724..16839, 17589..18059		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47772	Strand	+
Start	13178	End	18059
Name	OJ990825_14.9B15.C10.o3.np	Method	AAT/NAP
Start	13523	End	15791
GI	1644232	Score	59
Exons	13523..13788, 14085..14157, 14239..14289, 15747..15791		
GI Descrip.	(D67066) N-WASP [Bos taurus]		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47773	Strand	-
Start	1680	End	8766
Name	OJ990825_14.9B15.C10.o1.np	Method	AAT/NAP
Start	1680	End	8766
GI	2967456	Score	370
Exons	1680..1846, 1939..2152, 2237..2500, 8684..8766		
GI Descrip.	(AB012048) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47773	Strand	-

Start	1680	End	8766
Name	OJ990825_14.9B15.C10.o2.gs	Method	GENSCAN
Start	3892	End	5506
GI	none	Score	.88
Exons	3892..4236, 4408..4557, 4576..4719, 5417..5506		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47774	Strand	-
Start	10202	End	10645
Name	OJ990825_14.9B15.C10.o5.gs	Method	GENSCAN
Start	10202	End	10645
GI	none	Score	.53
Exons	10202..10645		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o1.ts	Method	TBLASTX:Soybean
Start	1729	End	2396
GI	none	Score	96
Exons	1729..1842, 1730..1843, 1944..2141, 1945..2142, 2238..2396, 2251..2379		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o2.tm	Method	TBLASTX:Maize
Start	1730	End	2153
GI	none	Score	85
Exons	1730..1849, 1735..1848, 1938..2141, 1944..2033, 1945..2142, 2088..2153		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o1.tc	Method	TBLASTX:Cress
Start	1735	End	2500
GI	none	Score	108
Exons	1735..1842, 1736..1837, 1944..2144, 1945..2145, 2238..2390, 2251..2391, 2435..2500, 2442..2471		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o3.ts	Method	TBLASTX:Soybean
Start	6570	End	6860
GI	none	Score	188
Exons	6570..6860, 6794..6859		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o1.tm	Method	TBLASTX:Maize
Start	6588	End	6863
GI	none	Score	129
Exons	6588..6686, 6590..6685, 6654..6776, 6777..6863, 6785..6862		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o1.tw	Method	TBLASTX:Wheat
Start	6593	End	6866
GI	none	Score	267
Exons	6593..6688, 6594..6866, 6749..6862, 6774..6866		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o2.ts	Method	TBLASTX:Soybean
Start	8934	End	9137
GI	4298640	Score	218
Exons	8934..9137, 8978..9136		
GI Descrip.	3790575 3.0e-26 (AF078825) RING-H2 finger protein RHA3b [Arabidopsis thaliana]		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o2.tc	Method	TBLASTX:Cress
Start	8984	End	9140
GI	none	Score	196
Exons	8984..9136, 8988..9140		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o3.tm	Method	TBLASTX:Maize
Start	8984	End	9149
GI	none	Score	194
Exons	8984..9139, 8985..9149		

Seq. No.	22954	Seq. ID	OJ990825_14.9B15.C10
Gene No.	47775	Strand	-
Start	18553	End	19664
Name	OJ990825_14.9B15.C10.o7.gs	Method	GENSCAN
Start	18553	End	19664
GI	none	Score	.88
Exons	18553..18663, 19450..19498, 19630..19664		

Seq. No.	22955	Seq. ID	OJ990825_14.9B15.C11
Gene No.	47776	Strand	+
Start	409	End	807
Name	OJ990825_14.9B15.C11.o1.gs	Method	GENSCAN
Start	409	End	807
GI	none	Score	.75
Exons	409..587, 790..807		

Seq. No.	22955	Seq. ID	OJ990825_14.9B15.C11
Gene No.	47777	Strand	+
Start	2421	End	4714
Name	OJ990825_14.9B15.C11.o1.np	Method	AAT/NAP
Start	2421	End	4714
GI	1345132	Score	558
Exons	2421..2633, 2775..3712, 4128..4313, 4678..4714		

GI Descrip. (U47029) ERECTA [Arabidopsis thaliana] gi|1389566|dbj|BAA11869|
(D83257) receptor protein kinase [Arabidopsis thaliana]
gi|3075386|gb|AAC14518.1| (AC004484) putative receptor-like
protein kinase, ERECTA [Arabidopsis thaliana]

Seq. No.	22955	Seq. ID	OJ990825_14.9B15.C11
Gene No.	47777	Strand	+
Start	2421	End	4714
Name	OJ990825_14.9B15.C11.o2.gs	Method	GENSCAN
Start	2421	End	4557
GI	none	Score	.88
Exons	2421..3712, 4128..4557		

Seq. No.	22955	Seq. ID	OJ990825_14.9B15.C11
Gene No.	47777	Strand	+
Start	2421	End	4714
Name	OJ990825_14.9B15.C11.o1.tc	Method	TBLASTX:Cress
Start	2487	End	4455
GI	none	Score	59
Exons	2487..2576, 2583..2627, 2790..2822, 2790..2957, 2837..3055, 2877..2957, 2880..2957, 2895..3089, 3005..3085, 3018..3104, 3018..3104, 3018..3104, 3018..3101, 3018..3101, 3018..3098, 3150..3335, 3180..3482, 3180..3704, 3180..3698, 3182..3316, 3198..3689, 3198..3557, 3198..3713, 3198..3377, 3200..3457, 3240..3557, 3246..3317, 3267..3449, 3267..3704, 3309..3614, 3327..3521, 3353..3466, 3402..3593, 3456..3704, 3525..3686, 3558..3608, 4129..4242, 4129..4254, 4129..4308, 4177..4314, 4381..4455		

Seq. No.	22955	Seq. ID	OJ990825_14.9B15.C11
Gene No.	47777	Strand	+
Start	2421	End	4714
Name	OJ990825_14.9B15.C11.o2.tm	Method	TBLASTX:Maize
Start	2487	End	2663
GI	none	Score	211
Exons	2487..2663, 2493..2627		

Seq. No.	22955	Seq. ID	OJ990825_14.9B15.C11
Gene No.	47777	Strand	+
Start	2421	End	4714
Name	OJ990825_14.9B15.C11.o1.tm	Method	TBLASTX:Maize
Start	2790	End	4314
GI	none	Score	74
Exons	2790..2957, 2801..2956, 2862..3173, 2862..3242, 2863..2991, 2866..3102, 2901..3380, 2913..3101, 2914..3120, 2934..3173, 2985..3236, 3018..3104, 3018..3104, 3018..3101, 3070..3105, 3090..3206, 3179..3358, 3180..3380, 3180..3317, 3180..3317, 3195..3380, 3198..3380, 3204..3686, 3207..3479, 3218..3325, 3285..3542, 3351..3704, 3357..3614, 3365..3475, 3417..3737, 3422..3736, 3423..3686, 3465..3713, 3483..3725, 4081..4308, 4129..4308, 4132..4308, 4141..4314		

Seq. No.	22955	Seq. ID	OJ990825_14.9B15.C11
Gene No.	47777	Strand	+
Start	2421	End	4714
Name	OJ990825_14.9B15.C11.o1.ts	Method	TBLASTX:Soybean
Start	2790	End	4629

GI	none	Score	73
Exons	2790..2963, 2877..2957, 2880..3101, 3054..3098, 3180..3605, 3264..3707, 3414..3713, 3471..3608, 3593..3688, 4080..4442, 4119..4310, 4129..4308, 4129..4308, 4132..4443, 4147..4314, 4471..4629, 4488..4592, 4495..4623		
Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o2.np	Method	AAT/NAP
Start	1	End	1411
GI	2462749	Score	369
Exons	1..77, 582..1411		
GI Descrip.	(AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o1.gs	Method	GENSCAN
Start	266	End	1630
GI	none	Score	.74
Exons	266..1385, 1515..1630		

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o2.tm	Method	TBLASTX:Maize
Start	451	End	589
GI	none	Score	178
Exons	451..588, 452..589, 455..589		

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o2.ts	Method	TBLASTX:Soybean
Start	523	End	868
GI	none	Score	42
Exons	523..552, 530..553, 535..555, 558..638, 559..837, 560..838, 569..838, 839..868		

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o1.gp	Method	AAT/GAP
Start	580	End	1084
GI	uC-osflcyp031e09b1	Score	978
Exons	580..1084		
GI Descrip.	'4138299/emb CAA75509 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]'		

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o1.tm	Method	TBLASTX:Maize
Start	590	End	1461
GI	none	Score	1165

Exons 590..1456, 593..955, 595..975, 597..1460, 729..1190, 1010..1456, 1249..1461, 1251..1460

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o1.np	Method	AAT/NAP
Start	609	End	1411
GI	2252864	Score	285
Exons	609..1411		
GI Descrip.	(AF013294) Similar to receptor kinase [Arabidopsis thaliana]		

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o1.tc	Method	TBLASTX:Cress
Start	667	End	1051
GI	none	Score	242
Exons	667..861, 668..880, 878..1051		

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o1.tw	Method	TBLASTX:Wheat
Start	713	End	1111
GI	none	Score	148
Exons	713..949, 953..1057, 1073..1111		

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o1.ts	Method	TBLASTX:Soybean
Start	874	End	1405
GI	none	Score	162
Exons	874..1155, 881..1213, 883..975, 936..1193, 1037..1405, 1176..1394, 1240..1401, 1262..1405		

Seq. No.	22956	Seq. ID	OJ990825_14.9B15.C12
Gene No.	47778	Strand	+
Start	1	End	1630
Name	OJ990825_14.9B15.C12.o2.tc	Method	TBLASTX:Cress
Start	1052	End	1276
GI	none	Score	226
Exons	1052..1213, 1052..1276		

Seq. No.	22957	Seq. ID	OJ990825_14.9B15.C13
Gene No.	47779	Strand	-
Start	1600	End	2676
Name	OJ990825_14.9B15.C13.o1.gs	Method	GENSCAN
Start	1600	End	2676
GI	none	Score	1
Exons	1600..2676		

Seq. No.	22957	Seq. ID	OJ990825_14.9B15.C13
Gene No.	47780	Strand	-
Start	3832	End	4437
Name	OJ990825_14.9B15.C13.o2.gs	Method	GENSCAN

Start 3832
 GI none
 Exons 3832..4008, 4375..4437

End 4437
 Score .96

Seq. No. 22957
 Gene No. 47781
 Start 6741
 Name OJ990825_14.9B15.C13.o1.ts
 Start 2035
 GI none
 Exons 2035..2217, 2039..2200, 10200..10253

Seq. ID OJ990825_14.9B15.C13
 Strand -
 End 11129
 Method TBLASTX:Soybean
 End 10253
 Score 98

Seq. No. 22957
 Gene No. 47781
 Start 6741
 Name OJ990825_14.9B15.C13.o1.tm
 Start 2038
 GI none
 Exons 2038..2220, 2039..2218, 10203..10262

Seq. ID OJ990825_14.9B15.C13
 Strand -
 End 11129
 Method TBLASTX:Maize
 End 10262
 Score 138

Seq. No. 22957
 Gene No. 47781
 Start 6741
 Name OJ990825_14.9B15.C13.o1.tc
 Start 2041
 GI none
 Exons 2041..2217, 2042..2224, 10076..10138, 10200..10289

Seq. ID OJ990825_14.9B15.C13
 Strand -
 End 11129
 Method TBLASTX:Cress
 End 10289
 Score 151

Seq. No. 22957
 Gene No. 47781
 Start 6741
 Name OJ990825_14.9B15.C13.o3.gs
 Start 6741
 GI none
 Exons 6741..7253, 7349..7636, 7765..7964, 8506..8520, 8577..8935, 10195..10287, 10756..11129

Seq. ID OJ990825_14.9B15.C13
 Strand -
 End 11129
 Method GENSCAN
 End 11129
 Score .76

Seq. No. 22957
 Gene No. 47781
 Start 6741
 Name OJ990825_14.9B15.C13.o2.np
 Start 7981
 GI 4895219
 Exons 7981..8124, 8781..8935, 10195..10263
 GI Descrip. (AC007660) putative WRKY-type DNA binding protein [Arabidopsis thaliana]

Seq. ID OJ990825_14.9B15.C13
 Strand -
 End 11129
 Method AAT/NAP
 End 10263
 Score 74

Seq. No. 22958
 Gene No. 47782
 Start 1214
 Name OJ990825_14.9B15.C14.o1.gs
 Start 1214
 GI none
 Exons 1214..1216, 1513..1550, 1663..1897

Seq. ID OJ990825_14.9B15.C14
 Strand +
 End 1897
 Method GENSCAN
 End 1897
 Score .77

Seq. No. 22959
 Gene No. 47783

Seq. ID OJ990825_14.9B15.C15
 Strand +

Start 160
 Name OJ990825_14.9B15.C15.o1.gs
 Start 160
 GI none
 Exons 160..177, 779..860

End 860
 Method GENSCAN
 End 860
 Score .54

Seq. No. 22960
 Gene No. 47784
 Start 5049
 Name OJ990825_14.9B15.C16.o1.np
 Start 5049
 GI 6729510
 Exons 5049..5113, 5248..5391, 5477..5548, 5646..5929
 GI Descrip. (AL132966) receptor protein kinase-like protein [Arabidopsis thaliana]

Seq. ID OJ990825_14.9B15.C16
 Strand +
 End 5929
 Method AAT/NAP
 End 5929
 Score 299

Seq. No. 22961
 Gene No. 47785
 Start 1177
 Name OJ990825_14.9B15.C17.o1.gs
 Start 1177
 GI none
 Exons 1177..1205, 1789..2146

Seq. ID OJ990825_14.9B15.C17
 Strand +
 End 2146
 Method GENSCAN
 End 2146
 Score .87

Seq. No. 22961
 Gene No. 47786
 Start 8685
 Name OJ990825_14.9B15.C17.o2.gp
 Start 8685
 GI 2799534
 Exons 8685..8768, 8868..8891

Seq. ID OJ990825_14.9B15.C17
 Strand +
 End 8891
 Method AAT/GAP
 End 8891
 Score 111

Seq. No. 22961
 Gene No. 47787
 Start 2439
 Name OJ990825_14.9B15.C17.o1.gp
 Start 2439
 GI 5548_1.R1084
 Exons 2439..2808, 3686..3779, 3859..3962, 4109..4206, 4528..4591
 GI Descrip. '1001794/dbj|BAA10674| 7.0e-31 (D64005) hypothetical protein [Synechocystis sp.]'

Seq. ID OJ990825_14.9B15.C17
 Strand -
 End 16665
 Method AAT/GAP
 End 4591
 Score 1296

Seq. No. 22961
 Gene No. 47787
 Start 2439
 Name OJ990825_14.9B15.C17.o1.tm
 Start 2722
 GI none
 Exons 2722..2805, 2723..2809, 2724..2831, 3682..3780, 3687..3785, 3859..3975, 3863..3958, 4102..4203, 4105..4206, 4106..4207, 4107..4208, 4477..4605, 4508..4711, 4525..4728, 5346..5414, 5347..5415

Seq. ID OJ990825_14.9B15.C17
 Strand -
 End 16665
 Method TBLASTX:Maize
 End 5415
 Score 133

Seq. No. 22961
 Gene No. 47787
 Start 2439
 Name OJ990825_14.9B15.C17.o1.ts
 Seq. ID OJ990825_14.9B15.C17
 Strand -
 End 16665
 Method TBLASTX:Soybean

Start	2723	End	4710
GI	none	Score	91
Exons	2723..2824, 2739..2831, 3687..3785, 3691..3780, 3859..3963, 3869..3961, 4126..4206, 4130..4207, 4477..4605, 4525..4710, 4526..4657		

Seq. No.	22961	Seq. ID	OJ990825_14.9B15.C17
Gene No.	47787	Strand	-
Start	2439	End	16665
Name	OJ990825_14.9B15.C17.o2.tc	Method	TBLASTX:Cress
Start	2727	End	3960
GI	none	Score	109
Exons	2727..2810, 2735..2824, 2739..2825, 2740..2850, 3687..3785, 3693..3782, 3857..3946, 3859..3960, 3860..3946		

Seq. No.	22961	Seq. ID	OJ990825_14.9B15.C17
Gene No.	47787	Strand	-
Start	2439	End	16665
Name	OJ990825_14.9B15.C17.o2.gs	Method	GENSCAN
Start	2729	End	16622
GI	none	Score	.65
Exons	2729..2808, 3686..3779, 4528..4714, 5347..5410, 6061..6363, 7202..7302, 7517..7608, 7734..7882, 8423..8615, 8654..8924, 9023..9444, 11851..12117, 12621..12842, 12962..13104, 13181..13403, 15560..15659, 15761..15990, 16187..16343, 16412..16622		

Seq. No.	22961	Seq. ID	OJ990825_14.9B15.C17
Gene No.	47787	Strand	-
Start	2439	End	16665
Name	OJ990825_14.9B15.C17.o1.np	Method	AAT/NAP
Start	2735	End	4719
GI	6136542	Score	300
Exons	2735..2808, 3686..3779, 3859..3953, 4122..4206, 4528..4606, 4634..4719		

GI Descrip. YCF52-LIKE PROTEIN gi|1001794|dbj|BAA10674| (D64005)
hypothetical protein [Synechocystis sp.]

Seq. No.	22961	Seq. ID	OJ990825_14.9B15.C17
Gene No.	47787	Strand	-
Start	2439	End	16665
Name	OJ990825_14.9B15.C17.o2.np	Method	AAT/NAP
Start	15445	End	16665
GI	3600058	Score	540
Exons	15445..15477, 15560..15659, 15761..15957, 16187..16343, 16480..16665		

GI Descrip. (AF080120) similar to vacuolar ATPases [Arabidopsis thaliana] gi|4850294|emb|CAB43050.1| (AL049876) H⁺-transporting ATPase chain E, vacuolar [Arabidopsis thaliana]

Seq. No.	22961	Seq. ID	OJ990825_14.9B15.C17
Gene No.	47787	Strand	-
Start	2439	End	16665
Name	OJ990825_14.9B15.C17.o1.tw	Method	TBLASTX:Wheat
Start	15497	End	15963
GI	none	Score	88
Exons	15497..15655, 15561..15656, 15758..15835, 15769..15963,		

15895..15963

Seq. No.	22961	Seq. ID	OJ990825_14.9B15.C17
Gene No.	47787	Strand	-
Start	2439	End	16665
Name	OJ990825_14.9B15.C17.o1.tc	Method	TBLASTX:Cress
Start	15537	End	16611
GI	none	Score	92
Exons	15537..15659, 15548..15658, 15769..15963, 16181..16342, 16191..16346, 16479..16601, 16480..16611		

Seq. No.	22961	Seq. ID	OJ990825_14.9B15.C17
Gene No.	47787	Strand	-
Start	2439	End	16665
Name	OJ990825_14.9B15.C17.o2.tm	Method	TBLASTX:Maize
Start	15551	End	16601
GI	none	Score	65
Exons	15551..15661, 15551..15646, 15761..15937, 15766..15963, 15904..15963, 16187..16240, 16187..16342, 16188..16346, 16479..16601, 16480..16581		

Seq. No.	22961	Seq. ID	OJ990825_14.9B15.C17
Gene No.	47787	Strand	-
Start	2439	End	16665
Name	OJ990825_14.9B15.C17.o2.ts	Method	TBLASTX:Soybean
Start	15557	End	16601
GI	none	Score	82
Exons	15557..15658, 15561..15659, 15772..15963, 16235..16342, 16236..16346, 16479..16601, 16480..16581		

Seq. No.	22962	Seq. ID	OJ990825_14.9B15.C18
Gene No.	47788	Strand	+
Start	139	End	2523
Name	OJ990825_14.9B15.C18.o1.gs	Method	GENSCAN
Start	139	End	2523
GI	none	Score	.59
Exons	139..322, 675..848, 1227..1279, 2488..2523		

Seq. No.	22963	Seq. ID	OJ990825_14.9B15.C19
Gene No.	47789	Strand	+
Start	1176	End	5378
Name	OJ990825_14.9B15.C19.o1.gs	Method	GENSCAN
Start	1176	End	5378
GI	none	Score	.42
Exons	1176..1222, 2027..2150, 3294..3427, 3796..4081, 4282..4667, 4805..4842, 5256..5378		

Seq. No.	22963	Seq. ID	OJ990825_14.9B15.C19
Gene No.	47789	Strand	+
Start	1176	End	5378
Name	OJ990825_14.9B15.C19.o1.np	Method	AAT/NAP
Start	1191	End	4701
GI	6714368	Score	476
Exons	1191..1222, 2027..2150, 2902..3298, 3584..4081, 4282..4373, 4449..4701		
GI Descrip.	(AC012562) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22963	Seq. ID	OJ990825_14.9B15.C19
Gene No.	47789	Strand	+
Start	1176	End	5378
Name	OJ990825_14.9B15.C19.o2.tm	Method	TBLASTX:Maize
Start	2899	End	3215
GI	none	Score	173
Exons	2899..3132, 2904..3215, 2911..3210		

Seq. No.	22963	Seq. ID	OJ990825_14.9B15.C19
Gene No.	47789	Strand	+
Start	1176	End	5378
Name	OJ990825_14.9B15.C19.o1.tm	Method	TBLASTX:Maize
Start	3373	End	4595
GI	none	Score	134
Exons	3373..3561, 3399..3632, 3399..3632, 3609..3731, 3620..3736, 3621..3734, 3730..4020, 3731..4021, 4018..4089, 4019..4081, 4021..4083, 4281..4460, 4282..4458, 4452..4505, 4453..4593, 4466..4552, 4467..4595, 4480..4593		

Seq. No.	22963	Seq. ID	OJ990825_14.9B15.C19
Gene No.	47789	Strand	+
Start	1176	End	5378
Name	OJ990825_14.9B15.C19.o1.gp	Method	AAT/GAP
Start	4051	End	4600
GI	427166	Score	676
Exons	4051..4081, 4282..4600		

Seq. No.	22963	Seq. ID	OJ990825_14.9B15.C19
Gene No.	47789	Strand	+
Start	1176	End	5378
Name	OJ990825_14.9B15.C19.o1.tw	Method	TBLASTX:Wheat
Start	4446	End	4778
GI	none	Score	79
Exons	4446..4535, 4446..4505, 4450..4536, 4454..4534, 4477..4536, 4534..4590, 4537..4590, 4539..4595, 4579..4623, 4582..4638, 4621..4665, 4624..4740, 4752..4778		

Seq. No.	22964	Seq. ID	OJ990825_14.9B15.C20
Gene No.	47790	Strand	+
Start	65	End	2931
Name	OJ990825_14.9B15.C20.o1.gs	Method	GENSCAN
Start	65	End	2931
GI	none	Score	.5
Exons	65..199, 221..395, 400..669, 2828..2931		

Seq. No.	22964	Seq. ID	OJ990825_14.9B15.C20
Gene No.	47791	Strand	-
Start	3246	End	4646
Name	OJ990825_14.9B15.C20.o2.gs	Method	GENSCAN
Start	3246	End	4481
GI	none	Score	.7
Exons	3246..3703, 4390..4481		

Seq. No.	22964	Seq. ID	OJ990825_14.9B15.C20
Gene No.	47791	Strand	-
Start	3246	End	4646
Name	OJ990825_14.9B15.C20.o1.np	Method	AAT/NAP

Start	3249	End	4646
GI	5257244	Score	88
Exons	3249..3739, 4624..4646		
GI Descrip.	(AB026542) WASP-family protein [Homo sapiens]		

Seq. No.	22965	Seq. ID	OJ990825_14.9B15.C21
Gene No.	47792	Strand	-
Start	769	End	1506
Name	OJ990825_14.9B15.C21.o1.gs	Method	GENSCAN
Start	769	End	1506
GI	none	Score	.92
Exons	769..881, 1315..1506		

Seq. No.	22966	Seq. ID	OJ990825_14.9B15.C25
Gene No.	47793	Strand	-
Start	1242	End	1372
Name	OJ990825_14.9B15.C25.o1.np	Method	AAT/NAP
Start	1242	End	1372
GI	6324074	Score	94
Exons	1242..1372		
GI Descrip.	Contains seven cysteine rich zinc finger motifs of the 'CCHC retroviral-type'; Gis2p gi 1730843 sp P53849 YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION gi 2131945 pir S63228 hypothetical protein YNL255c - yeast (Saccharomyces cerevisiae) gi 1255963 emb CAA65489 (X96722) ORF N0852 [Saccharomyces cerevisiae] gi 1302303 emb CAA96162 (Z71		

Seq. No.	22966	Seq. ID	OJ990825_14.9B15.C25
Gene No.	47794	Strand	-
Start	1324	End	1715
Name	OJ990825_14.9B15.C25.o2.np	Method	AAT/NAP
Start	1324	End	1715
GI	5257269	Score	315
Exons	1324..1715		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	22966	Seq. ID	OJ990825_14.9B15.C25
Gene No.	47795	Strand	-
Start	1793	End	1944
Name	OJ990825_14.9B15.C25.o3.np	Method	AAT/NAP
Start	1793	End	1944
GI	5257270	Score	236
Exons	1793..1944		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	22967	Seq. ID	OJ990825_14.9B15.C26
Gene No.	47796	Strand	+
Start	234	End	1320
Name	OJ990825_14.9B15.C26.o1.gs	Method	GENSCAN
Start	234	End	1320
GI	none	Score	.67
Exons	234..351, 438..676, 1102..1320		

Seq. No.	22967	Seq. ID	OJ990825_14.9B15.C26
Gene No.	47797	Strand	+
Start	2600	End	3344
Name	OJ990825_14.9B15.C26.o3.gs	Method	GENSCAN

Start	2600	End	3344
GI	none	Score	.49
Exons	2600..2638, 2644..2670, 2743..2968, 3055..3344		
Seq. No.	22967	Seq. ID	OJ990825_14.9B15.C26
Gene No.	47798	Strand	+
Start	4071	End	4594
Name	OJ990825_14.9B15.C26.o3.np	Method	AAT/NAP
Start	4050	End	4594
GI	2583130	Score	167
Exons	4050..4594		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	22967	Seq. ID	OJ990825_14.9B15.C26
Gene No.	47798	Strand	+
Start	4071	End	4594
Name	OJ990825_14.9B15.C26.o4.gs	Method	GENSCAN
Start	4071	End	4556
GI	none	Score	.72
Exons	4071..4230, 4390..4556		

Seq. No.	22967	Seq. ID	OJ990825_14.9B15.C26
Gene No.	47799	Strand	-
Start	1	End	795
Name	OJ990825_14.9B15.C26.o1.np	Method	AAT/NAP
Start	1	End	795
GI	5257270	Score	470
Exons	1..30, 201..306, 334..643, 677..795		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	22967	Seq. ID	OJ990825_14.9B15.C26
Gene No.	47800	Strand	-
Start	1944	End	2514
Name	OJ990825_14.9B15.C26.o2.gs	Method	GENSCAN
Start	1944	End	2514
GI	none	Score	.94
Exons	1944..2017, 2058..2514		

Seq. No.	22967	Seq. ID	OJ990825_14.9B15.C26
Gene No.	47801	Strand	-
Start	2785	End	4450
Name	OJ990825_14.9B15.C26.o2.np	Method	AAT/NAP
Start	2785	End	4450
GI	5306261	Score	163
Exons	2785..3089, 4243..4450		
GI Descrip.	(AC006233) unknown protein [Arabidopsis thaliana]		

Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
Gene No.	47802	Strand	+
Start	10424	End	13777
Name	OJ990825_14.9B15.C27.o4.gs	Method	GENSCAN
Start	10424	End	13777
GI	none	Score	.96
Exons	10424..11310, 11662..13777		

Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
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Gene No.	47803	Strand	+
Start	14341	End	16137
Name	OJ990825_14.9B15.C27.o5.gs	Method	GENSCAN
Start	14341	End	16137
GI	none	Score	.6
Exons	14341..14625, 14684..14795, 15567..15693, 16113..16137		
Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
Gene No.	47804	Strand	-
Start	3011	End	4063
Name	OJ990825_14.9B15.C27.o2.gs	Method	GENSCAN
Start	3011	End	4063
GI	none	Score	.59
Exons	3011..3127, 3244..3575, 3961..4063		
Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
Gene No.	47805	Strand	-
Start	4904	End	9056
Name	OJ990825_14.9B15.C27.o3.gs	Method	GENSCAN
Start	4904	End	9056
GI	none	Score	.67
Exons	4904..5243, 5801..7316, 7380..7549, 8224..9056		
Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
Gene No.	47805	Strand	-
Start	4904	End	9056
Name	OJ990825_14.9B15.C27.o2.np	Method	AAT/NAP
Start	7438	End	8435
GI	2792216	Score	874
Exons	7438..8026, 8224..8435		
GI Descrip.	(AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		
Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
Gene No.	47806	Strand	-
Start	17032	End	18144
Name	OJ990825_14.9B15.C27.o1.tw	Method	TBLASTX:Wheat
Start	564	End	1013
GI	none	Score	229
Exons	564..1013		
Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
Gene No.	47806	Strand	-
Start	17032	End	18144
Name	OJ990825_14.9B15.C27.o1.ts	Method	TBLASTX:Soybean
Start	7468	End	12394
GI	none	Score	48
Exons	7468..7623, 7678..7860, 7718..7861, 7906..8028, 7933..8058, 12065..12193, 12221..12394		
Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
Gene No.	47806	Strand	-
Start	17032	End	18144
Name	OJ990825_14.9B15.C27.o2.tw	Method	TBLASTX:Wheat
Start	7493	End	12181
GI	none	Score	106
Exons	7493..7798, 7495..7809, 11873..11959, 12047..12181		

Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
Gene No.	47806	Strand	-
Start	17032	End	18144
Name	OJ990825_14.9B15.C27.o1.tm	Method	TBLASTX:Maize
Start	7708	End	8028
GI	none	Score	67
Exons	7708..7779, 7712..7825, 7801..7875, 7817..7870, 7891..8028, 7906..8028		

Seq. No.	22968	Seq. ID	OJ990825_14.9B15.C27
Gene No.	47806	Strand	-
Start	17032	End	18144
Name	OJ990825_14.9B15.C27.o6.gs	Method	GENSCAN
Start	17032	End	18144
GI	none	Score	.93
Exons	17032..17912, 18027..18144		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47807	Strand	+
Start	803	End	3373
Name	OJ990825_14.9B15.C29.o1.gs	Method	GENSCAN
Start	803	End	3373
GI	none	Score	.94
Exons	803..1825, 2520..2924, 3026..3373		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47808	Strand	+
Start	3500	End	3697
Name	OJ990825_14.9B15.C29.o1.gp	Method	AAT/GAP
Start	3500	End	3697
GI	2800156	Score	303
Exons	3500..3697		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47809	Strand	-
Start	4075	End	7648
Name	OJ990825_14.9B15.C29.o2.gp	Method	AAT/GAP
Start	4075	End	7648
GI	uC-osflcyp026a06b1	Score	838
Exons	4075..4197, 4282..4395, 4558..4618, 7491..7648		
GI Descrip.	'5932426/gb AAD56954.1 AF186240_1 1.0e-18 (AF186240) thioredoxin-like protein [Secale cereale]'		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o4.ts	Method	TBLASTX:Soybean
Start	1391	End	1543
GI	none	Score	198
Exons	1391..1543, 1393..1542		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o2.ts	Method	TBLASTX:Soybean
Start	1610	End	2801
GI	none	Score	284

Exons 1610..1837, 1657..1836, 2517..2801, 2519..2800

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o2.tm	Method	TBLASTX:Maize
Start	1622	End	3289
GI	none	Score	344
Exons	1622..1852, 1702..1857, 2514..2933, 2517..2594, 2519..2803, 2885..2926, 2978..3112, 3022..3096, 3106..3147, 3107..3289, 3185..3253		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o2.tc	Method	TBLASTX:Cress
Start	2598	End	3334
GI	none	Score	44
Exons	2598..2654, 2661..2933, 2687..2800, 2885..2923, 2975..3334, 2977..3252		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o2.tw	Method	TBLASTX:Wheat
Start	2694	End	8940
GI	none	Score	76
Exons	2694..2846, 8632..8742, 8770..8940		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o3.tm	Method	TBLASTX:Maize
Start	3838	End	4386
GI	none	Score	71
Exons	3838..3945, 3849..3950, 4078..4197, 4279..4386		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o4.tc	Method	TBLASTX:Cress
Start	3849	End	4356
GI	none	Score	66
Exons	3849..3983, 4072..4221, 4082..4204, 4249..4344, 4279..4356		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o1.tm	Method	TBLASTX:Maize
Start	8311	End	10818
GI	none	Score	166
Exons	8311..8613, 8360..8614, 8419..8616, 8602..8745, 8603..8740, 8740..8949, 9622..9972, 9623..9973, 9624..9974, 10085..10144, 10090..10155, 10217..10384, 10232..10318, 10245..10433, 10251..10397, 10252..10434, 10370..10744, 10375..10743, 10744..10818		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o1.ts	Method	TBLASTX:Soybean
Start	8311	End	10456
GI	none	Score	166
Exons	8311..8613, 8360..8614, 8419..8616, 8602..8745, 8603..8740, 8740..8949, 9622..9972, 9623..9973, 9624..9974, 10085..10144, 10090..10155, 10217..10384, 10232..10318, 10245..10433, 10251..10397, 10252..10434, 10370..10456, 10375..10455		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o1.np	Method	AAT/NAP
Start	8337	End	10896
GI	6714369	Score	1666
Exons	8337..8966, 9627..10896		
GI Descrip.	(AC012562) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o1.tw	Method	TBLASTX:Wheat
Start	8440	End	8596
GI	none	Score	80
Exons	8440..8589, 8446..8595, 8447..8596		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o1.tc	Method	TBLASTX:Cress
Start	8446	End	8976
GI	none	Score	65
Exons	8446..8520, 8506..8601, 8506..8613, 8507..8614, 8602..8757, 8603..8758, 8767..8976, 8770..8910, 8793..8951, 8915..8968		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o3.gp	Method	AAT/GAP
Start	8474	End	8788
GI	LIB3433-050-P1-K1-H6	Score	553
Exons	8474..8788		
GI Descrip.	'2760839/gb AAB95307.1 3.0e-26 (AC003105) putative receptor kinase [Arabidopsis thaliana]'		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o3.tc	Method	TBLASTX:Cress
Start	9625	End	10860
GI	none	Score	65
Exons	9625..9729, 9626..9724, 9742..9942, 9743..9952, 10228..10281, 10375..10497, 10375..10506, 10495..10716, 10723..10785, 10792..10860		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o3.tw	Method	TBLASTX:Wheat
Start	9736	End	9909
GI	none	Score	77
Exons	9736..9909, 9737..9907		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o4.gp	Method	AAT/GAP
Start	9982	End	10449
GI	4880882	Score	862
Exons	9982..10449		

Seq. No.	22969	Seq. ID	OJ990825_14.9B15.C29
Gene No.	47810	Strand	-
Start	8337	End	10896
Name	OJ990825_14.9B15.C29.o3.ts	Method	TBLASTX:Soybean
Start	10582	End	10843
GI	none	Score	124
Exons	10582..10761, 10583..10750, 10768..10842, 10769..10843		

Seq. No.	22970	Seq. ID	OJ990825_14.9B15.C31
Gene No.	47811	Strand	+
Start	6	End	267
Name	OJ990825_14.9B15.C31.o1.gs	Method	GENSCAN
Start	6	End	267
GI	none	Score	.7
Exons	6..51, 98..267		

Seq. No.	22971	Seq. ID	OJ990825_14.9B15.C33
Gene No.	47812	Strand	+
Start	53	End	94
Name	OJ990825_14.9B15.C33.o1.gs	Method	GENSCAN
Start	53	End	94
GI	none	Score	.67
Exons	53..94		

Seq. No.	22972	Seq. ID	OJ990825_14.9B15.C35
Gene No.	47813	Strand	+
Start	1	End	81
Name	OJ990825_14.9B15.C35.o1.np	Method	AAT/NAP
Start	1	End	81
GI	5777617	Score	108
Exons	1..81		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	22972	Seq. ID	OJ990825_14.9B15.C35
Gene No.	47814	Strand	-
Start	83	End	248
Name	OJ990825_14.9B15.C35.o2.np	Method	AAT/NAP
Start	83	End	248
GI	6006372	Score	72
Exons	83..248		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	22973	Seq. ID	OJ990825_11.9B17.C1
Gene No.	47815	Strand	+
Start	522	End	630
Name	OJ990825_11.9B17.C1.o1.gs	Method	GENSCAN
Start	522	End	630
GI	none	Score	.65
Exons	522..630		

Seq. No.	22974	Seq. ID	OJ990825_11.9B17.C2
Gene No.	47816	Strand	+
Start	604	End	870
Name	OJ990825_11.9B17.C2.o1.gs	Method	GENSCAN
Start	604	End	870
GI	none	Score	.92
Exons	604..870		

Seq. No.	22974	Seq. ID	OJ990825_11.9B17.C2
Gene No.	47817	Strand	+
Start	2706	End	3008
Name	OJ990825_11.9B17.C2.o2.gs	Method	GENSCAN
Start	2706	End	3008
GI	none	Score	.61
Exons	2706..3008		

Seq. No.	22974	Seq. ID	OJ990825_11.9B17.C2
Gene No.	47818	Strand	-
Start	4688	End	6134
Name	OJ990825_11.9B17.C2.o3.gs	Method	GENSCAN
Start	4688	End	6134
GI	none	Score	.41
Exons	4688..4939, 4975..5154, 5922..6134		

Seq. No.	22974	Seq. ID	OJ990825_11.9B17.C2
Gene No.	47819	Strand	-
Start	6823	End	8570
Name	OJ990825_11.9B17.C2.o1.np	Method	AAT/NAP
Start	6823	End	8570
GI	4325357	Score	422
Exons	6823..7439, 7879..8570		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	22974	Seq. ID	OJ990825_11.9B17.C2
Gene No.	47820	Strand	-
Start	9582	End	11894
Name	OJ990825_11.9B17.C2.o2.tw	Method	TBLASTX:Wheat
Start	7144	End	7485
GI	none	Score	78
Exons	7144..7329, 7145..7327, 7372..7485		

Seq. No.	22974	Seq. ID	OJ990825_11.9B17.C2
Gene No.	47820	Strand	-
Start	9582	End	11894
Name	OJ990825_11.9B17.C2.o1.tc	Method	TBLASTX:Cress
Start	7903	End	8211

GI	none	Score	201
Exons	7903..8211		
Seq. No.	22974	Seq. ID	OJ990825_11.9B17.C2
Gene No.	47820	Strand	-
Start	9582	End	11894
Name	OJ990825_11.9B17.C2.o1.ts	Method	TBLASTX:Soybean
Start	7948	End	8357
GI	none	Score	67
Exons	7948..8226, 8268..8357		

Seq. No.	22974	Seq. ID	OJ990825_11.9B17.C2
Gene No.	47820	Strand	-
Start	9582	End	11894
Name	OJ990825_11.9B17.C2.o1.tw	Method	TBLASTX:Wheat
Start	7948	End	8357
GI	none	Score	86
Exons	7948..8037, 8011..8226, 8241..8357		

Seq. No.	22974	Seq. ID	OJ990825_11.9B17.C2
Gene No.	47820	Strand	-
Start	9582	End	11894
Name	OJ990825_11.9B17.C2.o2.np	Method	AAT/NAP
Start	9582	End	11894
GI	6721512	Score	78
Exons	9582..9615, 11073..11250, 11277..11425, 11865..11894		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22975	Seq. ID	OJ990825_11.9B17.C3
Gene No.	47821	Strand	+
Start	1	End	1658
Name	OJ990825_11.9B17.C3.o1.np	Method	AAT/NAP
Start	1	End	1589
GI	6721562	Score	396
Exons	1..63, 442..507, 898..1589		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi 6815087 dbj BAA90373.1 (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	22975	Seq. ID	OJ990825_11.9B17.C3
Gene No.	47821	Strand	+
Start	1	End	1658
Name	OJ990825_11.9B17.C3.o1.gs	Method	GENSCAN
Start	375	End	1658
GI	none	Score	.88
Exons	375..473, 601..1021, 1108..1398, 1510..1658		

Seq. No.	22975	Seq. ID	OJ990825_11.9B17.C3
Gene No.	47821	Strand	+
Start	1	End	1658
Name	OJ990825_11.9B17.C3.o1.tw	Method	TBLASTX:Wheat
Start	1026	End	1421
GI	none	Score	244
Exons	1026..1421		

Seq. No.	22976	Seq. ID	OJ990825_11.9B17.C4
Gene No.	47822	Strand	+
Start	24	End	734
Name	OJ990825_11.9B17.C4.o1.np	Method	AAT/NAP
Start	24	End	734
GI	6539588	Score	98
Exons	24..196, 697..734		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	22977	Seq. ID	OJ990825_11.9B17.C6
Gene No.	47823	Strand	+
Start	1	End	756
Name	OJ990825_11.9B17.C6.o1.np	Method	AAT/NAP
Start	1	End	756
GI	5042463	Score	161
Exons	1..336, 736..756		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47824	Strand	+
Start	389	End	2004
Name	OJ990825_11.9B17.C7.o1.np	Method	AAT/NAP
Start	389	End	2004
GI	5042463	Score	110
Exons	389..527, 574..666, 1946..2004		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47825	Strand	+
Start	15083	End	17547
Name	OJ990825_11.9B17.C7.o4.gs	Method	GENSCAN
Start	15083	End	17547
GI	none	Score	.58
Exons	15083..15091, 15330..15642, 17354..17547		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47826	Strand	+
Start	19072	End	21770
Name	OJ990825_11.9B17.C7.o5.gs	Method	GENSCAN
Start	19072	End	21770
GI	none	Score	.52
Exons	19072..19084, 19806..20402, 20541..20590, 20707..20817, 21603..21770		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47826	Strand	+
Start	19072	End	21770
Name	OJ990825_11.9B17.C7.o5.np	Method	AAT/NAP
Start	19157	End	21707
GI	4585936	Score	51
Exons	19157..19236, 21514..21707		
GI Descrip.	(AC007211) putative helicase [Arabidopsis thaliana]		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47827	Strand	-
Start	500	End	6165
Name	OJ990825_11.9B17.C7.o1.gs	Method	GENSCAN

Start	500	End	4608
GI	none	Score	.58
Exons	500..664, 972..1087, 1435..1462, 2157..2265, 2306..2459, 2863..3256, 3386..3949, 4195..4608		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47827	Strand	-
Start	500	End	6165
Name	OJ990825_11.9B17.C7.o2.np	Method	AAT/NAP
Start	2463	End	6165
GI	6815052	Score	1609
Exons	2463..2581, 2863..2933, 3015..3748, 3797..3940, 4727..4819, 5660..5759, 6052..6165		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47828	Strand	-
Start	8412	End	15612
Name	OJ990825_11.9B17.C7.o3.gs	Method	GENSCAN
Start	8412	End	13800
GI	none	Score	.5
Exons	8412..8702, 8798..9238, 9244..9367, 10491..10600, 12755..12829, 12912..13045, 13584..13800		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47828	Strand	-
Start	8412	End	15612
Name	OJ990825_11.9B17.C7.o1.gp	Method	AAT/GAP
Start	9959	End	15612
GI	31887_1.R1084	Score	2322
Exons	9959..10212, 10315..10402, 10491..10600, 11357..11458, 12755..12829, 12912..13045, 13584..13821, 15356..15612		
GI Descrip.	'3212861 3.0e-75 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47828	Strand	-
Start	8412	End	15612
Name	OJ990825_11.9B17.C7.o3.np	Method	AAT/NAP
Start	10262	End	15571
GI	3212861	Score	771
Exons	10262..10402, 10491..10600, 11357..11458, 12755..12829, 12912..13045, 13584..13821, 15356..15571		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47829	Strand	-
Start	17913	End	19639
Name	OJ990825_11.9B17.C7.o1.tw	Method	TBLASTX:Wheat
Start	4073	End	4503
GI	none	Score	69
Exons	4073..4300, 4084..4299, 4324..4503		

Seq. No.	22978	Seq. ID	OJ990825_11.9B17.C7
Gene No.	47829	Strand	-
Start	17913	End	19639
Name	OJ990825_11.9B17.C7.o2.ts	Method	TBLASTX:Soybean

Start 4111
GI none
Exons 4111..4305, 4300..4485

End 4485
Score 94

Seq. No. 22978
Gene No. 47829
Start 17913
Name OJ990825_11.9B17.C7.o1.ts
Start 10141
GI none
Exons 10141..10215, 10259..10405, 10312..10401, 10325..10402, 10490..10600, 10491..10586, 10508..10591, 11348..11431

Seq. ID OJ990825_11.9B17.C7
Strand -
End 19639
Method TBLASTX:Soybean
End 11431
Score 106

Seq. No. 22978
Gene No. 47829
Start 17913
Name OJ990825_11.9B17.C7.o2.tm
Start 10159
GI none
Exons 10159..10215, 10309..10401, 10313..10405, 10313..10405, 10314..10415, 10490..10594, 10491..10586, 10493..10594, 11354..11461, 11373..11459, 12752..12829, 12753..12830, 12900..12947, 12901..12942

Seq. ID OJ990825_11.9B17.C7
Strand -
End 19639
Method TBLASTX:Maize
End 12947
Score 117

Seq. No. 22978
Gene No. 47829
Start 17913
Name OJ990825_11.9B17.C7.o1.tm
Start 12979
GI none
Exons 12979..13047, 12979..13041, 12980..13042, 12981..13046, 13422..13478, 13573..13830, 13585..13830, 15352..15423, 15354..15584, 15359..15583

Seq. ID OJ990825_11.9B17.C7
Strand -
End 19639
Method TBLASTX:Maize
End 15584
Score 103

Seq. No. 22978
Gene No. 47829
Start 17913
Name OJ990825_11.9B17.C7.o4.np
Start 17913
GI 5042463
Exons 17913..17973, 18510..18585, 18634..18799, 19460..19639
GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. ID OJ990825_11.9B17.C7
Strand -
End 19639
Method AAT/NAP
End 19639
Score 186

Seq. No. 22979
Gene No. 47830
Start 1
Name OJ990825_11.9B17.C9.o1.np
Start 1
GI 6691716
Exons 1..310, 379..490, 566..742, 819..1063
GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. ID OJ990825_11.9B17.C9
Strand +
End 1063
Method AAT/NAP
End 1063
Score 605

Seq. No. 22979
Gene No. 47830
Start 1

Seq. ID OJ990825_11.9B17.C9
Strand +
End 1063

Name	OJ990825_11.9B17.C9.o1.gs	Method	GENSCAN
Start	171	End	1006
GI	none	Score	.92
Exons	171..310, 379..604, 703..742, 819..1006		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47831	Strand	+
Start	1	End	488
Name	OJ990825_11.9B17.C10.o1.np	Method	AAT/NAP
Start	1	End	488
GI	6691716	Score	565
Exons	1..488		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47831	Strand	+
Start	1	End	488
Name	OJ990825_11.9B17.C10.o1.gs	Method	GENSCAN
Start	150	End	383
GI	none	Score	.91
Exons	150..383		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47832	Strand	+
Start	3550	End	9549
Name	OJ990825_11.9B17.C10.o3.gs	Method	GENSCAN
Start	3550	End	7583
GI	none	Score	.75
Exons	3550..4773, 4872..4941, 5592..5713, 7479..7583		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47832	Strand	+
Start	3550	End	9549
Name	OJ990825_11.9B17.C10.o4.np	Method	AAT/NAP
Start	4215	End	9549
GI	6063554	Score	201
Exons	4215..4289, 7431..7730, 7998..8213, 8716..8745, 9376..9549		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47833	Strand	-
Start	819	End	4920
Name	OJ990825_11.9B17.C10.o2.gs	Method	GENSCAN
Start	819	End	3088
GI	none	Score	.52
Exons	819..1051, 1623..1786, 2148..2219, 2298..2642, 2916..3088		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47833	Strand	-
Start	819	End	4920
Name	OJ990825_11.9B17.C10.o2.np	Method	AAT/NAP
Start	822	End	4920
GI	5902445	Score	601

Exons 822..1233, 4875..4920
 GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47834	Strand	-
Start	8056	End	8415
Name	OJ990825_11.9B17.C10.o4.gs	Method	GENSCAN
Start	8056	End	8415
GI	none	Score	.62
Exons	8056..8415		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47835	Strand	-
Start	8663	End	9354
Name	OJ990825_11.9B17.C10.o5.gs	Method	GENSCAN
Start	8663	End	9354
GI	none	Score	.65
Exons	8663..8772, 9276..9354		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47836	Strand	-
Start	9905	End	10229
Name	OJ990825_11.9B17.C10.o1.gp	Method	AAT/GAP
Start	9905	End	10229
GI	61605_3.R1084	Score	415
Exons	9905..10229		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47837	Strand	-
Start	11578	End	11682
Name	OJ990825_11.9B17.C10.o1.tw	Method	TBLASTX:Wheat
Start	831	End	1229
GI	none	Score	137
Exons	831..968, 954..1229		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47837	Strand	-
Start	11578	End	11682
Name	OJ990825_11.9B17.C10.o2.tm	Method	TBLASTX:Maize
Start	870	End	1124
GI	none	Score	50
Exons	870..971, 910..972, 951..1124, 952..1071		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47837	Strand	-
Start	11578	End	11682
Name	OJ990825_11.9B17.C10.o1.tm	Method	TBLASTX:Maize
Start	2315	End	2836
GI	none	Score	81
Exons	2315..2461, 2336..2461, 2468..2641, 2469..2642, 2470..2649, 2471..2719, 2638..2742, 2639..2683, 2744..2836, 2744..2806		

Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47837	Strand	-
Start	11578	End	11682

Name	OJ990825_11.9B17.C10.o2.tw	Method	TBLASTX:Wheat
Start	3718	End	4071
GI	none	Score	175
Exons	3718..4071		
Seq. No.	22980	Seq. ID	OJ990825_11.9B17.C10
Gene No.	47837	Strand	-
Start	11578	End	11682
Name	OJ990825_11.9B17.C10.o6.gs	Method	GENSCAN
Start	11578	End	11682
GI	none	Score	.7
Exons	11578..11682		
Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47838	Strand	+
Start	1	End	2590
Name	OJ990825_11.9B17.C11.o1.gs	Method	GENSCAN
Start	1	End	2590
GI	none	Score	.84
Exons	1..74, 268..381, 2500..2590		
Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47839	Strand	+
Start	10646	End	13652
Name	OJ990825_11.9B17.C11.o2.np	Method	AAT/NAP
Start	10646	End	13649
GI	6498436	Score	438
Exons	10646..10666, 13003..13277, 13531..13649		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47839	Strand	+
Start	10646	End	13652
Name	OJ990825_11.9B17.C11.o4.gs	Method	GENSCAN
Start	12385	End	13652
GI	none	Score	.53
Exons	12385..12846, 13030..13201, 13531..13652		
Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47840	Strand	+
Start	14171	End	14734
Name	OJ990825_11.9B17.C11.o5.gs	Method	GENSCAN
Start	14171	End	14734
GI	none	Score	.57
Exons	14171..14421, 14592..14734		
Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47841	Strand	+
Start	14635	End	14888
Name	OJ990825_11.9B17.C11.o3.np	Method	AAT/NAP
Start	14635	End	14888
GI	2213632	Score	222
Exons	14635..14888		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		
Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47842	Strand	-

Start	1883	End	2402
Name	OJ990825_11.9B17.C11.o1.gp	Method	AAT/GAP
Start	1883	End	2402
GI	LIB3434-038-P1-K1-F1	Score	744
Exons	1883..2402		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47843	Strand	-
Start	4840	End	4962
Name	OJ990825_11.9B17.C11.o2.gs	Method	GENSCAN
Start	4840	End	4962
GI	none	Score	.94
Exons	4840..4858, 4892..4962		

Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47844	Strand	-
Start	8169	End	12173
Name	OJ990825_11.9B17.C11.o1.np	Method	AAT/NAP
Start	8169	End	11600
GI	6063554	Score	164
Exons	8169..8205, 9085..9112, 9419..9629, 9750..9965, 11537..11600		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47844	Strand	-
Start	8169	End	12173
Name	OJ990825_11.9B17.C11.o2.gp	Method	AAT/GAP
Start	8710	End	8811
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	8710..8811		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47844	Strand	-
Start	8169	End	12173
Name	OJ990825_11.9B17.C11.o4.gp	Method	AAT/GAP
Start	11090	End	11241
GI	none	Score	267
Exons	11090..11241		

Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47844	Strand	-
Start	8169	End	12173
Name	OJ990825_11.9B17.C11.o5.gp	Method	AAT/GAP
Start	11425	End	12173
GI	3768124	Score	505
Exons	11425..11568, 11785..12007, 12097..12173		

Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47845	Strand	-
Start	14267	End	14858

Name	OJ990825_11.9B17.C11.o1.tm	Method	TBLASTX:Maize
Start	14267	End	14858
GI	none	Score	99
Exons	14267..14425, 14305..14421, 14515..14712, 14544..14690, 14703..14858, 14783..14851		
Seq. No.	22981	Seq. ID	OJ990825_11.9B17.C11
Gene No.	47845	Strand	
Start	14267	End	14858
Name	OJ990825_11.9B17.C11.o1.tw	Method	TBLASTX:Wheat
Start	14330	End	14800
GI	none	Score	60
Exons	14330..14425, 14515..14712, 14712..14798, 14732..14800		
Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47846	Strand	+
Start	1941	End	2812
Name	OJ990825_11.9B17.C12.o1.gs	Method	GENSCAN
Start	1941	End	2812
GI	none	Score	.79
Exons	1941..1973, 2519..2812		
Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47847	Strand	+
Start	8816	End	10415
Name	OJ990825_11.9B17.C12.o3.gs	Method	GENSCAN
Start	8816	End	10415
GI	none	Score	.5
Exons	8816..9124, 9952..9991, 10198..10415		
Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47848	Strand	+
Start	14783	End	19869
Name	OJ990825_11.9B17.C12.o5.gs	Method	GENSCAN
Start	14783	End	19869
GI	none	Score	.6
Exons	14783..14925, 15704..15901, 16141..16385, 17100..17242, 19088..19208, 19820..19869		
Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47849	Strand	+
Start	19908	End	24472
Name	OJ990825_11.9B17.C12.o2.np	Method	AAT/NAP
Start	19908	End	24472
GI	6942043	Score	83
Exons	19908..19983, 20977..21211, 21345..21430, 21527..21573, 24449..24472		
GI Descrip.	(AF216524) IAA-alanine resistance protein 1 [Arabidopsis thaliana]		
Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47850	Strand	+
Start	26641	End	26740
Name	OJ990825_11.9B17.C12.o2.gp	Method	AAT/GAP
Start	26641	End	26740
GI	uC-osroM202017a05a1	Score	130
Exons	26641..26740		

GI Descrip. '6041846/gb|AAF02155.1|AC009853_15 1.0e-09 (AC009853) unknown protein [Arabidopsis thaliana]'

Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47851	Strand	-
Start	4050	End	4818
Name	OJ990825_11.9B17.C12.o2.gs	Method	GENSCAN
Start	4050	End	4818
GI	none	Score	.68
Exons	4050..4135, 4647..4818		

Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47852	Strand	-
Start	11616	End	13834
Name	OJ990825_11.9B17.C12.o1.np	Method	AAT/NAP
Start	11373	End	12260
GI	5441887	Score	159
Exons	11373..11500, 11576..11709, 11809..11896, 11999..12260		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana BAC genomic sequence. (AC002332) [Oryza sativa]		

Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47852	Strand	-
Start	11616	End	13834
Name	OJ990825_11.9B17.C12.o4.gs	Method	GENSCAN
Start	11616	End	13834
GI	none	Score	.42
Exons	11616..11762, 11837..12097, 12327..12551, 13170..13268, 13306..13461, 13715..13834		

Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47853	Strand	-
Start	20636	End	21197
Name	OJ990825_11.9B17.C12.o6.gs	Method	GENSCAN
Start	20636	End	21197
GI	none	Score	.46
Exons	20636..20829, 21029..21197		

Seq. No.	22982	Seq. ID	OJ990825_11.9B17.C12
Gene No.	47854	Strand	-
Start	25043	End	26928
Name	OJ990825_11.9B17.C12.o7.gs	Method	GENSCAN
Start	25043	End	26928
GI	none	Score	.53
Exons	25043..25476, 26775..26928		

Seq. No.	22983	Seq. ID	OJ990825_11.9B17.C13
Gene No.	47855	Strand	+
Start	719	End	3441
Name	OJ990825_11.9B17.C13.o1.gs	Method	GENSCAN
Start	719	End	3441
GI	none	Score	.74
Exons	719..815, 914..1192, 2235..2580, 3404..3441		

Seq. No.	22983	Seq. ID	OJ990825_11.9B17.C13
Gene No.	47855	Strand	+
Start	719	End	3441

Name	OJ990825_11.9B17.C13.o1.gp	Method	AAT/GAP
Start	919	End	2408
GI	none	Score	855
Exons	919..1192, 2235..2408		

Seq. No.	22983	Seq. ID	OJ990825_11.9B17.C13
Gene No.	47855	Strand	+
Start	719	End	3441
Name	OJ990825_11.9B17.C13.o1.tm	Method	TBLASTX:Maize
Start	983	End	3243
GI	none	Score	348
Exons	983..1063, 1093..1155, 1158..1193, 1199..1387, 2231..2548, 2234..2548, 2235..2549, 3034..3237, 3037..3243, 3054..3242		

Seq. No.	22983	Seq. ID	OJ990825_11.9B17.C13
Gene No.	47855	Strand	+
Start	719	End	3441
Name	OJ990825_11.9B17.C13.o1.tc	Method	TBLASTX:Cress
Start	2237	End	2546
GI	none	Score	72
Exons	2237..2380, 2237..2545, 2238..2546		

Seq. No.	22983	Seq. ID	OJ990825_11.9B17.C13
Gene No.	47855	Strand	+
Start	719	End	3441
Name	OJ990825_11.9B17.C13.o1.ts	Method	TBLASTX:Soybean
Start	2237	End	3084
GI	none	Score	104
Exons	2237..2521, 2237..2521, 2238..2525, 2505..2546, 3037..3084		

Seq. No.	22983	Seq. ID	OJ990825_11.9B17.C13
Gene No.	47855	Strand	+
Start	719	End	3441
Name	OJ990825_11.9B17.C13.o2.ts	Method	TBLASTX:Soybean
Start	3085	End	3243
GI	none	Score	190
Exons	3085..3243, 3085..3237, 3102..3242		

Seq. No.	22984	Seq. ID	OJ990825_11.9B17.C15
Gene No.	47856	Strand	-
Start	121	End	581
Name	OJ990825_11.9B17.C15.o1.np	Method	AAT/NAP
Start	121	End	581
GI	5922620	Score	173
Exons	121..257, 535..581		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47857	Strand	+
Start	3908	End	5010
Name	OJ990825_11.9B17.C17.o2.gs	Method	GENSCAN
Start	3908	End	5010
GI	none	Score	.7

Exons 3908..4151, 4343..4503, 4584..4837, 4923..5010

Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47858	Strand	+
Start	10747	End	10975
Name	OJ990825_11.9B17.C17.o1.gp	Method	AAT/GAP
Start	10747	End	10975
GI	none	Score	321
Exons	10747..10975		

Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47859	Strand	-
Start	2348	End	4300
Name	OJ990825_11.9B17.C17.o1.np	Method	AAT/NAP
Start	2348	End	4300
GI	1237256	Score	45
Exons	2348..2430, 2481..2681, 4279..4300		
GI Descrip.	(M18247) gag-pol precursor polyprotein gPr80 [Feline leukemia virus]		

Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002
Name	OJ990825_11.9B17.C17.o1.tm	Method	TBLASTX:Maize
Start	1333	End	1798
GI	none	Score	246
Exons	1333..1554, 1339..1581, 1665..1706, 1665..1697, 1733..1792, 1742..1798		

Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002
Name	OJ990825_11.9B17.C17.o2.np	Method	AAT/NAP
Start	6391	End	12002
GI	6691191	Score	1310
Exons	6391..6449, 6991..8764, 11765..12002		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002
Name	OJ990825_11.9B17.C17.o1.ts	Method	TBLASTX:Soybean
Start	6989	End	7516
GI	none	Score	43
Exons	6989..7042, 7028..7117, 7127..7516, 7189..7245, 7284..7514		

Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002
Name	OJ990825_11.9B17.C17.o1.tw	Method	TBLASTX:Wheat
Start	7124	End	7513
GI	none	Score	57
Exons	7124..7504, 7196..7264, 7299..7505, 7328..7513		

Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002

Name	OJ990825_11.9B17.C17.o2.ts	Method	TBLASTX:Soybean
Start	7517	End	7834
GI	none	Score	88
Exons	7517..7714, 7518..7664, 7700..7759, 7717..7770, 7793..7834		
Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002
Name	OJ990825_11.9B17.C17.o4.tw	Method	TBLASTX:Wheat
Start	7529	End	7834
GI	none	Score	79
Exons	7529..7693, 7529..7696, 7723..7767, 7726..7770, 7769..7834		
Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002
Name	OJ990825_11.9B17.C17.o1.tc	Method	TBLASTX:Cress
Start	7856	End	8158
GI	none	Score	214
Exons	7856..8158		
Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002
Name	OJ990825_11.9B17.C17.o2.tw	Method	TBLASTX:Wheat
Start	7952	End	8430
GI	none	Score	44
Exons	7952..8155, 8238..8339, 8266..8337, 8329..8430, 8335..8427		
Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002
Name	OJ990825_11.9B17.C17.o3.tw	Method	TBLASTX:Wheat
Start	8443	End	8745
GI	none	Score	98
Exons	8443..8583, 8444..8587, 8605..8736, 8605..8745		
Seq. No.	22985	Seq. ID	OJ990825_11.9B17.C17
Gene No.	47860	Strand	-
Start	6391	End	12002
Name	OJ990825_11.9B17.C17.o5.gs	Method	GENSCAN
Start	9703	End	11104
GI	none	Score	.93
Exons	9703..9808, 11094..11104		
Seq. No.	22986	Seq. ID	OJ990825_15.9B22.C3
Gene No.	47861	Strand	-
Start	977	End	2198
Name	OJ990825_15.9B22.C3.o1.gs	Method	GENSCAN
Start	977	End	2147
GI	none	Score	.46
Exons	977..1098, 2108..2147		
Seq. No.	22986	Seq. ID	OJ990825_15.9B22.C3
Gene No.	47861	Strand	-
Start	977	End	2198
Name	OJ990825_15.9B22.C3.o1.np	Method	AAT/NAP

Start	980	End	2198
GI	6815052	Score	253
Exons	980..1098, 1368..1438, 1520..1656, 2158..2198		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47862	Strand	+
Start	68	End	12058
Name	OJ990825_15.9B22.C4.o1.gs	Method	GENSCAN
Start	68	End	9354
GI	none	Score	.48
Exons	68..438, 569..721, 2551..2729, 4818..5239, 5372..5761, 5876..6034, 8802..9354		

Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47862	Strand	+
Start	68	End	12058
Name	OJ990825_15.9B22.C4.o2.gp	Method	AAT/GAP
Start	2205	End	2313
GI	uC-osflcyp088b12b1	Score	153
Exons	2205..2313		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47862	Strand	+
Start	68	End	12058
Name	OJ990825_15.9B22.C4.o2.np	Method	AAT/NAP
Start	4833	End	11237
GI	6006895	Score	914
Exons	4833..5239, 5372..5761, 5876..6034, 10907..11237		
GI Descrip.	(AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47862	Strand	+
Start	68	End	12058
Name	OJ990825_15.9B22.C4.o3.gp	Method	AAT/GAP
Start	4851	End	5476
GI	74030_1.R1084	Score	932
Exons	4851..5239, 5372..5476		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		

Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47862	Strand	+
Start	68	End	12058
Name	OJ990825_15.9B22.C4.o4.gp	Method	AAT/GAP
Start	5564	End	12058
GI	5816516	Score	1155
Exons	5564..5761, 5876..6034, 11739..12058		
GI Descrip.	6006895/gb AAF00670.1 AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47862	Strand	+
Start	68	End	12058
Name	OJ990825_15.9B22.C4.o2.gs	Method	GENSCAN

Start	9961	End	11246
GI	none	Score	.7
Exons	9961..10265, 10892..11246		
Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47863	Strand	-
Start	1	End	1634
Name	OJ990825_15.9B22.C4.o1.np	Method	AAT/NAP
Start	1	End	1634
GI	5295955	Score	222
Exons	1..366, 405..753, 1479..1634		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47864	Strand	-
Start	12117	End	12576
Name	OJ990825_15.9B22.C4.o3.gs	Method	GENSCAN
Start	12117	End	12576
GI	none	Score	.67
Exons	12117..12347, 12430..12576		
Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47865	Strand	-
Start	13292	End	13567
Name	OJ990825_15.9B22.C4.o1.tm	Method	TBLASTX:Maize
Start	5139	End	11237
GI	none	Score	101
Exons	5139..5240, 5346..5474, 5369..5485, 5370..5486, 5463..5753, 5501..5752, 10905..10964, 11058..11120, 11145..11237, 11147..11197		
Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47865	Strand	-
Start	13292	End	13567
Name	OJ990825_15.9B22.C4.o1.ts	Method	TBLASTX:Soybean
Start	5139	End	6032
GI	none	Score	104
Exons	5139..5240, 5370..5486, 5496..5759, 5880..6032		
Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47865	Strand	-
Start	13292	End	13567
Name	OJ990825_15.9B22.C4.o1.tw	Method	TBLASTX:Wheat
Start	5196	End	5759
GI	none	Score	62
Exons	5196..5240, 5360..5467, 5370..5561, 5370..5489, 5568..5612, 5673..5759		
Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47865	Strand	-
Start	13292	End	13567
Name	OJ990825_15.9B22.C4.o2.tc	Method	TBLASTX:Cress
Start	5516	End	6035
GI	none	Score	93
Exons	5516..5611, 5532..5639, 5634..5762, 5639..5758, 5877..6035		

Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47865	Strand	-
Start	13292	End	13567
Name	OJ990825_15.9B22.C4.o1.tc	Method	TBLASTX:Cress
Start	11030	End	11228
GI	none	Score	284
Exons	11030..11209, 11049..11228		

Seq. No.	22987	Seq. ID	OJ990825_15.9B22.C4
Gene No.	47865	Strand	-
Start	13292	End	13567
Name	OJ990825_15.9B22.C4.o4.gs	Method	GENSCAN
Start	13292	End	13567
GI	none	Score	.66
Exons	13292..13567		

Seq. No.	22988	Seq. ID	OJ990825_15.9B22.C5
Gene No.	47866	Strand	+
Start	680	End	5064
Name	OJ990825_15.9B22.C5.o1.gs	Method	GENSCAN
Start	680	End	5064
GI	none	Score	.64
Exons	680..786, 940..1154, 2483..2588, 3878..4093, 4160..5064		

Seq. No.	22988	Seq. ID	OJ990825_15.9B22.C5
Gene No.	47867	Strand	-
Start	2365	End	3282
Name	OJ990825_15.9B22.C5.o1.np	Method	AAT/NAP
Start	2365	End	3282
GI	6815053	Score	354
Exons	2365..2576, 2645..2832, 3136..3282		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47868	Strand	-
Start	1	End	3150
Name	OJ990825_15.9B22.C7.o1.np	Method	AAT/NAP
Start	1	End	3141
GI	6705984	Score	3769
Exons	1..3141		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47868	Strand	-
Start	1	End	3150
Name	OJ990825_15.9B22.C7.o1.gs	Method	GENSCAN
Start	22	End	3150
GI	none	Score	.51
Exons	22..782, 881..1092, 1168..1340, 1449..3150		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o4.ts	Method	TBLASTX:Soybean
Start	2	End	182
GI	none	Score	85
Exons	2..178, 2..181, 3..182		

Seq. No. 22989
Gene No. 47869
Start 4502
Name OJ990825_15.9B22.C7.o2.tm
Start 23
GI none
Exons 23..445, 24..404

Seq. ID OJ990825_15.9B22.C7
Strand -
End 5726
Method TBLASTX:Maize
End 445
Score 157

Seq. No. 22989
Gene No. 47869
Start 4502
Name OJ990825_15.9B22.C7.o4.tw
Start 92
GI none
Exons 92..493, 93..446

Seq. ID OJ990825_15.9B22.C7
Strand -
End 5726
Method TBLASTX:Wheat
End 493
Score 117

Seq. No. 22989
Gene No. 47869
Start 4502
Name OJ990825_15.9B22.C7.o1.ts
Start 206
GI none
Exons 206..565, 219..446

Seq. ID OJ990825_15.9B22.C7
Strand -
End 5726
Method TBLASTX:Soybean
End 565
Score 124

Seq. No. 22989
Gene No. 47869
Start 4502
Name OJ990825_15.9B22.C7.o1.tm
Start 488
GI none
Exons 488..940, 519..743, 521..880

Seq. ID OJ990825_15.9B22.C7
Strand -
End 5726
Method TBLASTX:Maize
End 940
Score 133

Seq. No. 22989
Gene No. 47869
Start 4502
Name OJ990825_15.9B22.C7.o3.tw
Start 542
GI none
Exons 542..919, 576..929, 940..1023

Seq. ID OJ990825_15.9B22.C7
Strand -
End 5726
Method TBLASTX:Wheat
End 1023
Score 164

Seq. No. 22989
Gene No. 47869
Start 4502
Name OJ990825_15.9B22.C7.o6.tm
Start 979
GI none
Exons 979..1122, 980..1120, 1135..1230

Seq. ID OJ990825_15.9B22.C7
Strand -
End 5726
Method TBLASTX:Maize
End 1230
Score 195

Seq. No. 22989
Gene No. 47869
Start 4502
Name OJ990825_15.9B22.C7.o6.tw
Start 1069
GI none
Exons 1069..1182, 1069..1251, 1073..1252

Seq. ID OJ990825_15.9B22.C7
Strand -
End 5726
Method TBLASTX:Wheat
End 1252
Score 76

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o4.tm	Method	TBLASTX:Maize
Start	1303	End	1548
GI	none	Score	116
Exons	1303..1548, 1312..1542, 1337..1546		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o2.ts	Method	TBLASTX:Soybean
Start	1306	End	1548
GI	none	Score	110
Exons	1306..1548, 1312..1542, 1388..1546		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o2.tw	Method	TBLASTX:Wheat
Start	1306	End	1788
GI	none	Score	124
Exons	1306..1500, 1333..1509, 1344..1514, 1513..1788, 1514..1768, 1519..1776		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o1.tw	Method	TBLASTX:Wheat
Start	2138	End	2715
GI	none	Score	276
Exons	2138..2503, 2145..2306, 2146..2508, 2146..2502, 2507..2698, 2508..2639, 2509..2715, 2509..2697		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o3.ts	Method	TBLASTX:Soybean
Start	2272	End	2668
GI	none	Score	58
Exons	2272..2493, 2285..2473, 2533..2667, 2534..2668		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o5.tm	Method	TBLASTX:Maize
Start	2476	End	2713
GI	none	Score	214
Exons	2476..2703, 2477..2701, 2515..2712, 2594..2713		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o2.gs	Method	GENSCAN
Start	4502	End	5633
GI	none	Score	.7
Exons	4502..4615, 4933..5163, 5235..5633		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o2.np	Method	AAT/NAP
Start	5334	End	5726
GI	6705984	Score	603
Exons	5334..5726		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o3.tm	Method	TBLASTX:Maize
Start	5358	End	5604
GI	none	Score	141
Exons	5358..5603, 5358..5603, 5389..5604		

Seq. No.	22989	Seq. ID	OJ990825_15.9B22.C7
Gene No.	47869	Strand	-
Start	4502	End	5726
Name	OJ990825_15.9B22.C7.o5.tw	Method	TBLASTX:Wheat
Start	5520	End	5726
GI	none	Score	172
Exons	5520..5723, 5523..5726, 5533..5724		

Seq. No.	22990	Seq. ID	OJ990825_15.9B22.C8
Gene No.	47870	Strand	+
Start	1	End	1404
Name	OJ990825_15.9B22.C8.o1.np	Method	AAT/NAP
Start	1	End	1268
GI	6815052	Score	427
Exons	1..70, 531..710, 792..867, 1150..1268		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	22990	Seq. ID	OJ990825_15.9B22.C8
Gene No.	47870	Strand	+
Start	1	End	1404
Name	OJ990825_15.9B22.C8.o1.gs	Method	GENSCAN
Start	558	End	1404
GI	none	Score	.66
Exons	558..867, 1150..1267, 1272..1404		

Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o2.gs	Method	GENSCAN
Start	3606	End	6936
GI	none	Score	.62
Exons	3606..4422, 4696..5125, 5155..6936		

Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o4.tm	Method	TBLASTX:Maize
Start	3606	End	3749
GI	none	Score	125

Exons 3606..3749, 3610..3744

Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o1.np	Method	AAT/NAP
Start	3609	End	7611
GI	6498441	Score	4138
Exons	3609..3890, 3984..5380, 5552..5848, 6041..6467, 6642..6776, 6960..7611		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o5.tw	Method	TBLASTX:Wheat
Start	3618	End	4220
GI	none	Score	77
Exons	3618..3743, 3622..3744, 3910..4218, 3936..4220, 3937..4215		

Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o3.tw	Method	TBLASTX:Wheat
Start	4221	End	4601
GI	none	Score	162
Exons	4221..4601, 4252..4500		

Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o2.tm	Method	TBLASTX:Maize
Start	4377	End	4739
GI	none	Score	151
Exons	4377..4424, 4416..4739, 4429..4722		

Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o2.tw	Method	TBLASTX:Wheat
Start	5246	End	5704
GI	none	Score	88
Exons	5246..5395, 5247..5384, 5429..5680, 5430..5660, 5483..5704		

Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o1.ts	Method	TBLASTX:Soybean
Start	6305	End	6676
GI	none	Score	90
Exons	6305..6676, 6516..6659		

Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611

Name	OJ990825_15.9B22.C9.o1.tw	Method	TBLASTX:Wheat
Start	6335	End	6755
GI	none	Score	321
Exons	6335..6754, 6342..6755		
Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o1.tm	Method	TBLASTX:Maize
Start	6428	End	6812
GI	none	Score	229
Exons	6428..6811, 6447..6812		
Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o3.tm	Method	TBLASTX:Maize
Start	6839	End	7055
GI	none	Score	112
Exons	6839..7051, 6839..7054, 6849..7055		
Seq. No.	22991	Seq. ID	OJ990825_15.9B22.C9
Gene No.	47871	Strand	-
Start	3606	End	7611
Name	OJ990825_15.9B22.C9.o4.tw	Method	TBLASTX:Wheat
Start	6863	End	7054
GI	none	Score	165
Exons	6863..7054, 6870..7046		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47872	Strand	+
Start	394	End	7144
Name	OJ990825_15.9B22.C10.o1.np	Method	AAT/NAP
Start	394	End	6157
GI	6705984	Score	2175
Exons	394..420, 4649..6157		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47872	Strand	+
Start	394	End	7144
Name	OJ990825_15.9B22.C10.o2.gs	Method	GENSCAN
Start	5825	End	7144
GI	none	Score	.51
Exons	5825..5891, 6090..6256, 6938..7144		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47873	Strand	+
Start	7870	End	14522
Name	OJ990825_15.9B22.C10.o2.np	Method	AAT/NAP
Start	7870	End	13803
GI	6721561	Score	1114
Exons	7870..7952, 12657..12854, 12913..12958, 13041..13803		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47873	Strand	+
Start	7870	End	14522
Name	OJ990825_15.9B22.C10.o5.gs	Method	GENSCAN
Start	11652	End	14522
GI	none	Score	.6
Exons	11652..12005, 12117..12285, 12453..12577, 12617..12841, 12927..12958, 13041..13674, 13907..13973, 14197..14522		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47874	Strand	+
Start	17742	End	19448
Name	OJ990825_15.9B22.C10.o4.np	Method	AAT/NAP
Start	17742	End	19448
GI	6721512	Score	62
Exons	17742..17763, 19342..19448		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47875	Strand	-
Start	727	End	3694
Name	OJ990825_15.9B22.C10.o1.gs	Method	GENSCAN
Start	727	End	3694
GI	none	Score	.58
Exons	727..798, 1326..2095, 2621..2709, 3561..3694		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47876	Strand	-
Start	8671	End	8847
Name	OJ990825_15.9B22.C10.o3.gs	Method	GENSCAN
Start	8671	End	8847
GI	none	Score	.66
Exons	8671..8847		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47877	Strand	-
Start	9529	End	10765
Name	OJ990825_15.9B22.C10.o4.gs	Method	GENSCAN
Start	9529	End	10765
GI	none	Score	.82
Exons	9529..9720, 9751..10357, 10377..10473, 10513..10765		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o3.tm	Method	TBLASTX:Maize
Start	4169	End	6500
GI	none	Score	36
Exons	4169..4213, 4217..4297, 4388..4504, 5963..6205, 5964..6149, 5965..6174, 6209..6289, 6214..6270, 6379..6495, 6432..6500		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o2.ts	Method	TBLASTX:Soybean

Start	4673	End	4911
GI	none	Score	195
Exons	4673..4816, 4696..4824, 4820..4906, 4822..4911		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o1.tw	Method	TBLASTX:Wheat
Start	4685	End	5053
GI	none	Score	543
Exons	4685..5053, 4687..5052		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o1.tc	Method	TBLASTX:Cress
Start	5009	End	5368
GI	none	Score	430
Exons	5009..5368, 5041..5367		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o1.tm	Method	TBLASTX:Maize
Start	5086	End	5431
GI	none	Score	494
Exons	5086..5424, 5087..5431, 5093..5431		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o3.ts	Method	TBLASTX:Soybean
Start	5150	End	5503
GI	none	Score	66
Exons	5150..5215, 5234..5308, 5321..5503		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o4.tw	Method	TBLASTX:Wheat
Start	5180	End	5539
GI	none	Score	417
Exons	5180..5539, 5180..5530, 5185..5532		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o7.tm	Method	TBLASTX:Maize
Start	5432	End	16032
GI	none	Score	211
Exons	5432..5731, 5446..5586, 15862..16032		

Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o2.tw	Method	TBLASTX:Wheat
Start	5570	End	5968

GI	none	Score	478
Exons	5570..5968, 5572..5958		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o6.tm	Method	TBLASTX:Maize
Start	5737	End	5962
GI	none	Score	250
Exons	5737..5961, 5738..5962		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o10.tw	Method	TBLASTX:Wheat
Start	9991	End	10341
GI	none	Score	69
Exons	9991..10176, 9992..10105, 10204..10341		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o3.np	Method	AAT/NAP
Start	15326	End	19346
GI	5902445	Score	2896
Exons	15326..16560, 17512..19346		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o6.tw	Method	TBLASTX:Wheat
Start	15335	End	15942
GI	none	Score	63
Exons	15335..15466, 15336..15461, 15491..15703, 15712..15942, 15713..15793		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o8.tm	Method	TBLASTX:Maize
Start	15371	End	15637
GI	none	Score	50
Exons	15371..15454, 15405..15461, 15455..15637, 15456..15563		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o7.tw	Method	TBLASTX:Wheat
Start	15964	End	16318
GI	none	Score	146
Exons	15964..16317, 15974..16216, 16262..16318		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o5.tm	Method	TBLASTX:Maize

Start 16144
 GI none
 Exons 16144..16455, 16145..16432

End 16455
 Score 159

Seq. No. 22992
 Gene No. 47878
 Start 15326
 Name OJ990825_15.9B22.C10.o9.tw
 Start 17566
 GI none
 Exons 17566..17859, 17570..17860

Seq. ID OJ990825_15.9B22.C10
 Strand -
 End 19346
 Method TBLASTX:Wheat
 End 17860
 Score 104

Seq. No. 22992
 Gene No. 47878
 Start 15326
 Name OJ990825_15.9B22.C10.o4.ts
 Start 17764
 GI none
 Exons 17764..18015, 17786..17884, 17933..18013, 18022..18147

Seq. ID OJ990825_15.9B22.C10
 Strand -
 End 19346
 Method TBLASTX:Soybean
 End 18147
 Score 58

Seq. No. 22992
 Gene No. 47878
 Start 15326
 Name OJ990825_15.9B22.C10.o8.tw
 Start 17863
 GI none
 Exons 17863..18036, 17864..18007, 18044..18205, 18046..18270

Seq. ID OJ990825_15.9B22.C10
 Strand -
 End 19346
 Method TBLASTX:Wheat
 End 18270
 Score 72

Seq. No. 22992
 Gene No. 47878
 Start 15326
 Name OJ990825_15.9B22.C10.o1.ts
 Start 18361
 GI none
 Exons 18361..18786, 18602..18742

Seq. ID OJ990825_15.9B22.C10
 Strand -
 End 19346
 Method TBLASTX:Soybean
 End 18786
 Score 93

Seq. No. 22992
 Gene No. 47878
 Start 15326
 Name OJ990825_15.9B22.C10.o3.tw
 Start 18416
 GI none
 Exons 18416..18742, 18418..18840, 18448..18837

Seq. ID OJ990825_15.9B22.C10
 Strand -
 End 19346
 Method TBLASTX:Wheat
 End 18840
 Score 256

Seq. No. 22992
 Gene No. 47878
 Start 15326
 Name OJ990825_15.9B22.C10.o4.tm
 Start 18514
 GI none
 Exons 18514..18897, 18515..18742

Seq. ID OJ990825_15.9B22.C10
 Strand -
 End 19346
 Method TBLASTX:Maize
 End 18897
 Score 122

Seq. No. 22992
 Gene No. 47878
 Start 15326
 Name OJ990825_15.9B22.C10.o2.tm
 Start 18925

Seq. ID OJ990825_15.9B22.C10
 Strand -
 End 19346
 Method TBLASTX:Maize
 End 19281

GI	none	Score	243
Exons	18925..19281, 18926..19246		
Seq. No.	22992	Seq. ID	OJ990825_15.9B22.C10
Gene No.	47878	Strand	-
Start	15326	End	19346
Name	OJ990825_15.9B22.C10.o5.tw	Method	TBLASTX:Wheat
Start	18955	End	19293
GI	none	Score	262
Exons	18955..19287, 18956..19288, 18970..19293		
Seq. No.	22993	Seq. ID	OJ990825_15.9B22.C11
Gene No.	47879	Strand	-
Start	84	End	683
Name	OJ990825_15.9B22.C11.o1.gp	Method	AAT/GAP
Start	84	End	683
GI	2285_1.R1084	Score	1115
Exons	84..683		
GI Descrip.	'4959460/gb AF126053.1 AF126053 2.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		
Seq. No.	22994	Seq. ID	OJ990825_15.9B22.C12
Gene No.	47880	Strand	+
Start	1573	End	4042
Name	OJ990825_15.9B22.C12.o1.gs	Method	GENSCAN
Start	1573	End	2951
GI	none	Score	.49
Exons	1573..1680, 2068..2133, 2678..2951		
Seq. No.	22994	Seq. ID	OJ990825_15.9B22.C12
Gene No.	47880	Strand	+
Start	1573	End	4042
Name	OJ990825_15.9B22.C12.o2.np	Method	AAT/NAP
Start	2732	End	4042
GI	1935918	Score	103
Exons	2732..2851, 3910..4042		
GI Descrip.	(U93559) putative serine/threonine protein kinase [Brassica rapa]		
Seq. No.	22994	Seq. ID	OJ990825_15.9B22.C12
Gene No.	47881	Strand	-
Start	1456	End	5150
Name	OJ990825_15.9B22.C12.o1.np	Method	AAT/NAP
Start	1456	End	2358
GI	6815053	Score	339
Exons	1456..1655, 1723..1923, 2227..2358		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	22994	Seq. ID	OJ990825_15.9B22.C12
Gene No.	47881	Strand	-
Start	1456	End	5150
Name	OJ990825_15.9B22.C12.o3.np	Method	AAT/NAP
Start	2184	End	5150
GI	5042463	Score	146
Exons	2184..2292, 3630..3906, 5110..5150		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No. 22994
Gene No. 47881
Start 1456
Name OJ990825_15.9B22.C12.o2.gs
Start 4258
GI none
Exons 4258..4352, 4924..4980

Seq. ID OJ990825_15.9B22.C12
Strand -
End 5150
Method GENSCAN
End 4980
Score .49

Seq. No. 22995
Gene No. 47882
Start 768
Name OJ990825_15.9B22.C13.o1.gs
Start 768
GI none
Exons 768..915

Seq. ID OJ990825_15.9B22.C13
Strand -
End 915
Method GENSCAN
End 915
Score .44

Seq. No. 22996
Gene No. 47883
Start 51
Name OJ990825_15.9B22.C16.o1.gs
Start 51
GI none
Exons 51..107, 187..310

Seq. ID OJ990825_15.9B22.C16
Strand +
End 310
Method GENSCAN
End 310
Score .87

Seq. No. 22997
Gene No. 47884
Start 1
Name OJ990825_15.9B22.C17.o1.np
Start 1
GI 6705984
Exons 1..746
GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. ID OJ990825_15.9B22.C17
Strand +
End 746
Method AAT/NAP
End 746
Score 1217

Seq. No. 22997
Gene No. 47884
Start 1
Name OJ990825_15.9B22.C17.o2.tw
Start 1
GI none
Exons 1..237, 3..236

Seq. ID OJ990825_15.9B22.C17
Strand +
End 746
Method TBLASTX:Wheat
End 237
Score 381

Seq. No. 22997
Gene No. 47884
Start 1
Name OJ990825_15.9B22.C17.o2.tm
Start 16
GI none
Exons 16..186, 18..191

Seq. ID OJ990825_15.9B22.C17
Strand +
End 746
Method TBLASTX:Maize
End 191
Score 212

Seq. No. 22997
Gene No. 47884
Start 1
Name OJ990825_15.9B22.C17.o1.gs
Start 113
GI none
Exons 113..151, 259..631

Seq. ID OJ990825_15.9B22.C17
Strand +
End 746
Method GENSCAN
End 631
Score .42

Seq. No.	22997	Seq. ID	OJ990825_15.9B22.C17
Gene No.	47884	Strand	+
Start	1	End	746
Name	OJ990825_15.9B22.C17.o1.tc	Method	TBLASTX:Cress
Start	187	End	552
GI	none	Score	456
Exons	187..552, 259..549, 327..551		
Seq. No.	22997	Seq. ID	OJ990825_15.9B22.C17
Gene No.	47884	Strand	+
Start	1	End	746
Name	OJ990825_15.9B22.C17.o1.tm	Method	TBLASTX:Maize
Start	271	End	619
GI	none	Score	521
Exons	271..615, 274..612, 281..619, 303..614		
Seq. No.	22997	Seq. ID	OJ990825_15.9B22.C17
Gene No.	47884	Strand	+
Start	1	End	746
Name	OJ990825_15.9B22.C17.o1.tw	Method	TBLASTX:Wheat
Start	364	End	723
GI	none	Score	417
Exons	364..723, 369..713		
Seq. No.	22997	Seq. ID	OJ990825_15.9B22.C17
Gene No.	47884	Strand	+
Start	1	End	746
Name	OJ990825_15.9B22.C17.o1.ts	Method	TBLASTX:Soybean
Start	418	End	687
GI	none	Score	83
Exons	418..492, 505..687		
Seq. No.	22998	Seq. ID	OJ990825_15.9B22.C19
Gene No.	47885	Strand	+
Start	202	End	476
Name	OJ990825_15.9B22.C19.o1.gs	Method	GENSCAN
Start	202	End	476
GI	none	Score	.45
Exons	202..269, 344..476		
Seq. No.	22999	Seq. ID	OJ990825_10.9B23.C1
Gene No.	47886	Strand	+
Start	1	End	1265
Name	OJ990825_10.9B23.C1.o1.np	Method	AAT/NAP
Start	1	End	1265
GI	4733891	Score	1102
Exons	1..208, 299..504, 700..819, 904..1002, 1083..1265		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		
Seq. No.	22999	Seq. ID	OJ990825_10.9B23.C1
Gene No.	47886	Strand	+
Start	1	End	1265
Name	OJ990825_10.9B23.C1.o1.gp	Method	AAT/GAP
Start	18	End	733
GI	2310300	Score	778
Exons	18..208, 299..504, 700..733		
GI Descrip.	4733891/gb AAD17931.2 5.0e-68 (AF104924) unconventional myosin		

heavy chain [Zea mays]

Seq. No.	22999	Seq. ID	OJ990825_10.9B23.C1
Gene No.	47886	Strand	+
Start	1	End	1265
Name	OJ990825_10.9B23.C1.o1.tc	Method	TBLASTX:Cress
Start	24	End	1264
GI	none	Score	67
Exons	24..149, 25..210, 27..209, 109..210, 298..504, 298..468, 319..453, 698..820, 730..825, 904..1002, 905..1003, 1077..1181, 1082..1264		

Seq. No.	22999	Seq. ID	OJ990825_10.9B23.C1
Gene No.	47886	Strand	+
Start	1	End	1265
Name	OJ990825_10.9B23.C1.o1.tm	Method	TBLASTX:Maize
Start	24	End	946
GI	none	Score	196
Exons	24..200, 25..213, 29..82, 30..221, 122..232, 297..503, 298..504, 301..504, 307..468, 355..504, 693..761, 697..771, 698..820, 700..825, 701..778, 702..827, 891..944, 899..946, 904..945, 911..946		

Seq. No.	22999	Seq. ID	OJ990825_10.9B23.C1
Gene No.	47886	Strand	+
Start	1	End	1265
Name	OJ990825_10.9B23.C1.o1.gs	Method	GENSCAN
Start	67	End	1214
GI	none	Score	.98
Exons	67..208, 299..504, 904..1002, 1083..1214		

Seq. No.	22999	Seq. ID	OJ990825_10.9B23.C1
Gene No.	47886	Strand	+
Start	1	End	1265
Name	OJ990825_10.9B23.C1.o1.ts	Method	TBLASTX:Soybean
Start	307	End	1264
GI	none	Score	93
Exons	307..468, 403..504, 703..825, 904..1002, 1074..1256, 1082..1264		

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283
Name	OJ990825_10.9B23.C2.o1.np	Method	AAT/NAP
Start	1	End	2283
GI	4733891	Score	1211
Exons	1..28, 369..503, 651..770, 870..923, 995..1075, 1198..1368, 1708..1860, 1946..2152, 2242..2283		

GI Descrip. (AF104924) unconventional myosin heavy chain [Zea mays]

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283
Name	OJ990825_10.9B23.C2.o2.tc	Method	TBLASTX:Cress
Start	366	End	1323
GI	none	Score	61
Exons	366..509, 647..730, 654..761, 872..928, 875..922, 1035..1076, 1042..1077, 1190..1318, 1191..1322, 1195..1323, 1197..1322		

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283
Name	OJ990825_10.9B23.C2.o1.gp	Method	AAT/GAP
Start	367	End	923
GI	uC-osflcyp124g12b1	Score	542
Exons	367..508, 656..770, 870..923		
GI Descrip.	'4733891/gb AAD17931.2 6.0e-63 (AF104924) unconventional myosin heavy chain [Zea mays]'		

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283
Name	OJ990825_10.9B23.C2.o2.tm	Method	TBLASTX:Maize
Start	368	End	1031
GI	none	Score	149
Exons	368..505, 368..532, 415..510, 643..705, 643..768, 644..772, 651..773, 862..921, 869..928, 875..922, 984..1031		

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283
Name	OJ990825_10.9B23.C2.o1.gs	Method	GENSCAN
Start	369	End	2152
GI	none	Score	.85
Exons	369..508, 656..770, 870..923, 995..1075, 1198..1368, 1681..1860, 1946..2152		

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283
Name	OJ990825_10.9B23.C2.o3.tm	Method	TBLASTX:Maize
Start	1195	End	1383
GI	none	Score	194
Exons	1195..1383, 1212..1376		

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283
Name	OJ990825_10.9B23.C2.o1.ts	Method	TBLASTX:Soybean
Start	1705	End	2154
GI	none	Score	111
Exons	1705..1854, 1710..1847, 1943..2152, 2026..2151, 2050..2154		

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283
Name	OJ990825_10.9B23.C2.o1.tc	Method	TBLASTX:Cress
Start	1776	End	2277
GI	none	Score	61
Exons	1776..1841, 1795..1842, 1943..2152, 1945..2148, 2053..2154, 2236..2277, 2238..2276		

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283

Name	OJ990825_10.9B23.C2.o1.tm	Method	TBLASTX:Maize
Start	1821	End	2283
GI	none	Score	61
Exons	1821..1859, 1822..1860, 1914..2036, 1945..2085, 1946..2083, 2050..2085, 2101..2151, 2114..2152, 2236..2283, 2241..2282		

Seq. No.	23000	Seq. ID	OJ990825_10.9B23.C2
Gene No.	47887	Strand	+
Start	1	End	2283
Name	OJ990825_10.9B23.C2.o1.tw	Method	TBLASTX:Wheat
Start	1967	End	2154
GI	none	Score	185
Exons	1967..2152, 2025..2153, 2026..2154, 2062..2154		

Seq. No.	23001	Seq. ID	OJ990825_10.9B23.C3
Gene No.	47888	Strand	+
Start	12668	End	16373
Name	OJ990825_10.9B23.C3.o3.gp	Method	AAT/GAP
Start	12668	End	13100
GI	52487_1.R1084	Score	849
Exons	12668..13100		
GI Descrip.	'3738324 4.0e-16 (AC005170) GMP synthase-like protein [Arabidopsis thaliana]'		

Seq. No.	23001	Seq. ID	OJ990825_10.9B23.C3
Gene No.	47888	Strand	+
Start	12668	End	16373
Name	OJ990825_10.9B23.C3.o2.np	Method	AAT/NAP
Start	12848	End	16147
GI	3738324	Score	448
Exons	12848..13162, 15532..15687, 15782..15958, 16049..16147		
GI Descrip.	(AC005170) unknown protein [Arabidopsis thaliana]		

Seq. No.	23001	Seq. ID	OJ990825_10.9B23.C3
Gene No.	47888	Strand	+
Start	12668	End	16373
Name	OJ990825_10.9B23.C3.o4.gp	Method	AAT/GAP
Start	15905	End	16373
GI	none	Score	737
Exons	15905..15949, 16023..16373		

Seq. No.	23001	Seq. ID	OJ990825_10.9B23.C3
Gene No.	47889	Strand	-
Start	7221	End	10329
Name	OJ990825_10.9B23.C3.o2.gp	Method	AAT/GAP
Start	7221	End	10329
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	7221..7285, 10292..10329		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23001	Seq. ID	OJ990825_10.9B23.C3
Gene No.	47889	Strand	-
Start	7221	End	10329
Name	OJ990825_10.9B23.C3.o1.np	Method	AAT/NAP
Start	8337	End	8434

Gene No. 47891
 Start 33
 Name OJ990825_10.9B23.C4.o1.gs
 Start 33
 GI none
 Exons 33..206

Strand +
 End 206
 Method GENSCAN
 End 206
 Score .62

Seq. No. 23003
 Gene No. 47892
 Start 424
 Name OJ990825_10.9B23.C5.o1.gs
 Start 424
 GI none
 Exons 424..562, 714..837

Seq. ID OJ990825_10.9B23.C5
 Strand +
 End 837
 Method GENSCAN
 End 837
 Score .43

Seq. No. 23003
 Gene No. 47893
 Start 6343
 Name OJ990825_10.9B23.C5.o2.gp
 Start 6343
 GI 1600_1.R1084
 Exons 6343..6770

Seq. ID OJ990825_10.9B23.C5
 Strand +
 End 6770
 Method AAT/GAP
 End 6770
 Score 822

GI Descrip. '3413423/emb|CAA06976.1| 2.0e-15 (AJ006309) hypothetical protein [Arabidopsis thaliana]'

Seq. No. 23003
 Gene No. 47894
 Start 10221
 Name OJ990825_10.9B23.C5.o3.gs
 Start 10221
 GI none
 Exons 10221..10301, 10430..10607, 10626..10807, 10921..11076

Seq. ID OJ990825_10.9B23.C5
 Strand +
 End 11076
 Method GENSCAN
 End 11076
 Score .83

Seq. No. 23003
 Gene No. 47895
 Start 2652
 Name OJ990825_10.9B23.C5.o1.gp
 Start 2335
 GI 14297_1.R1084
 Exons 2335..2741, 3113..3285, 3377..3457, 3649..3702, 5649..5783

Seq. ID OJ990825_10.9B23.C5
 Strand -
 End 13879
 Method AAT/GAP
 End 5783
 Score 1509

GI Descrip. '2618602/dbj|AB008268.1|AB008268 1.0e-15 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MSJ1, complete sequence'

Seq. No. 23003
 Gene No. 47895
 Start 2652
 Name OJ990825_10.9B23.C5.o2.tm
 Start 2541
 GI none
 Exons 2541..2603, 2649..2744, 2653..2736, 2670..2741, 3113..3148, 3114..3149, 3176..3283, 3177..3227, 3178..3288, 3191..3295, 3373..3459, 3375..3458

Seq. ID OJ990825_10.9B23.C5
 Strand -
 End 13879
 Method TBLASTX:Maize
 End 3459
 Score 36

Seq. No. 23003
 Gene No. 47895
 Start 2652
 Name OJ990825_10.9B23.C5.o2.gs

Seq. ID OJ990825_10.9B23.C5
 Strand -
 End 13879
 Method GENSCAN

Start	2652	End	10110
GI	none	Score	.55
Exons	2652..2741, 3113..3285, 3377..3457, 3649..3702, 5458..5619, 5649..5698, 5868..6119, 6576..7013, 7095..7153, 7290..7405, 7482..7565, 7770..7917, 8051..8196, 8703..8822, 8993..9091, 9880..9921, 10008..10110		

Seq. No.	23003	Seq. ID	OJ990825_10.9B23.C5
Gene No.	47895	Strand	-
Start	2652	End	13879
Name	OJ990825_10.9B23.C5.o2.tw	Method	TBLASTX:Wheat
Start	2655	End	10371
GI	none	Score	112
Exons	2655..2744, 2670..2741, 3113..3148, 3114..3200, 3115..3138, 3139..3285, 3159..3227, 3191..3295, 3267..3296, 3379..3429, 3651..3692, 10315..10371		

Seq. No.	23003	Seq. ID	OJ990825_10.9B23.C5
Gene No.	47895	Strand	-
Start	2652	End	13879
Name	OJ990825_10.9B23.C5.o2.ts	Method	TBLASTX:Soybean
Start	2670	End	3452
GI	none	Score	139
Exons	2670..2741, 3113..3148, 3177..3227, 3191..3295, 3192..3287, 3270..3308, 3373..3432, 3375..3452		

Seq. No.	23003	Seq. ID	OJ990825_10.9B23.C5
Gene No.	47895	Strand	-
Start	2652	End	13879
Name	OJ990825_10.9B23.C5.o1.tm	Method	TBLASTX:Maize
Start	6491	End	10079
GI	none	Score	270
Exons	6491..6814, 6554..6799, 6567..6800, 6590..6766, 6921..7025, 6923..7024, 6930..7025, 7091..7156, 7095..7154, 7248..7406, 7285..7410, 7288..7407, 7480..7569, 7481..7570, 7482..7577, 7748..7918, 7768..7917, 8035..8187, 8051..8209, 8051..8194, 8052..8201, 8063..8197, 8105..8200, 8701..8823, 8702..8824, 8708..8824, 10008..10079		

Seq. No.	23003	Seq. ID	OJ990825_10.9B23.C5
Gene No.	47895	Strand	-
Start	2652	End	13879
Name	OJ990825_10.9B23.C5.o1.ts	Method	TBLASTX:Soybean
Start	6491	End	8197
GI	none	Score	54
Exons	6491..6796, 7332..7406, 7354..7407, 7480..7569, 7481..7570, 7752..7871, 7757..7918, 7759..7920, 7768..7917, 8096..8197		

Seq. No.	23003	Seq. ID	OJ990825_10.9B23.C5
Gene No.	47895	Strand	-
Start	2652	End	13879
Name	OJ990825_10.9B23.C5.o1.np	Method	AAT/NAP
Start	6582	End	13879
GI	3023956	Score	238
Exons	6582..7013, 7095..7153, 7290..7394, 7480..7565, 7770..7917, 8051..8197, 13852..13879		
GI Descrip.	VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1 gi 607003 (L28125)		

beta transducin-like protein [Podospira anserina]

Seq. No.	23003	Seq. ID	OJ990825_10.9B23.C5
Gene No.	47895	Strand	-
Start	2652	End	13879
Name	OJ990825_10.9B23.C5.o1.tw	Method	TBLASTX:Wheat
Start	6590	End	8197
GI	none	Score	85
Exons	6590..6796, 6644..6763, 7327..7407, 7329..7406, 7480..7569, 7481..7570, 7748..7918, 7750..7923, 7768..7917, 8052..8069, 8063..8197, 8066..8110, 8069..8110		

Seq. No.	23003	Seq. ID	OJ990825_10.9B23.C5
Gene No.	47895	Strand	-
Start	2652	End	13879
Name	OJ990825_10.9B23.C5.o3.gp	Method	AAT/GAP
Start	6652	End	7153
GI	2800801	Score	443
Exons	6652..6799, 6923..7013, 7095..7153		
GI Descrip.	3413423/emb CAA06976.1 2.0e-15 (AJ006309) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23003	Seq. ID	OJ990825_10.9B23.C5
Gene No.	47895	Strand	-
Start	2652	End	13879
Name	OJ990825_10.9B23.C5.o4.gp	Method	AAT/GAP
Start	7874	End	10037
GI	LIB3431-027-P1-K1-A11	Score	729
Exons	7874..7917, 8051..8196, 8703..8822, 9044..9091, 9880..9921, 10008..10037		
GI Descrip.	'4557229/ref NP_001078.1 pAAMP 4.0e-18 angio-associated, migratory cell protein >gi_3121739_sp_Q13685 AAMP HUMAN ANGIO-ASSOCIATED MIGRATORY CELL PROTEIN >gi_2134759_pir_I39383 angio-associated migratory cell protein - human >gi_870803 (M95627) angio-associated migratory cell protein [Homo sapiens]'		

Seq. No.	23004	Seq. ID	OJ990825_10.9B23.C7
Gene No.	47896	Strand	-
Start	346	End	644
Name	OJ990825_10.9B23.C7.o1.gs	Method	GENSCAN
Start	346	End	644
GI	none	Score	.95
Exons	346..644		

Seq. No.	23005	Seq. ID	OJ990825_10.9B23.C8
Gene No.	47897	Strand	+
Start	133	End	9096
Name	OJ990825_10.9B23.C8.o1.gs	Method	GENSCAN
Start	133	End	5874
GI	none	Score	.75
Exons	133..332, 438..673, 787..997, 1363..1520, 1579..1798, 2089..2480, 2611..2791, 2876..3105, 3182..3827, 3907..3976, 4068..4280, 4692..4802, 4894..5101, 5181..5302, 5831..5874		

Seq. No.	23005	Seq. ID	OJ990825_10.9B23.C8
Gene No.	47897	Strand	+
Start	133	End	9096

Name OJ990825_10.9B23.C8.o1.gp Method AAT/GAP
 Start 4905 End 9096
 GI 3862_1.R1084 Score 1246
 Exons 4905..5302, 8830..9096
 GI Descrip. '3258571 4.0e-22 (U89959) Hypothetical protein [Arabidopsis thaliana]'

Seq. No. 23005 Seq. ID OJ990825_10.9B23.C8
 Gene No. 47897 Strand +
 Start 133 End 9096
 Name OJ990825_10.9B23.C8.o1.np Method AAT/NAP
 Start 4995 End 5288
 GI 2760334 Score 365
 Exons 4995..5288
 GI Descrip. (AC002130) F1N21.5 [Arabidopsis thaliana]

Seq. No. 23005 Seq. ID OJ990825_10.9B23.C8
 Gene No. 47898 Strand -
 Start 6425 End 8261
 Name OJ990825_10.9B23.C8.o2.gs Method GENSCAN
 Start 6425 End 8261
 GI none Score .76
 Exons 6425..6648, 6660..6920, 6963..7059, 8247..8261

Seq. No. 23005 Seq. ID OJ990825_10.9B23.C8
 Gene No. 47899 Strand -
 Start 9138 End 12281
 Name OJ990825_10.9B23.C8.o1.tc Method TBLASTX:Cress
 Start 1732 End 2959
 GI none Score 80
 Exons 1732..1803, 1733..1801, 2256..2480, 2257..2481, 2266..2481, 2276..2485, 2277..2486, 2608..2703, 2609..2791, 2609..2734, 2610..2816, 2894..2959

Seq. No. 23005 Seq. ID OJ990825_10.9B23.C8
 Gene No. 47899 Strand -
 Start 9138 End 12281
 Name OJ990825_10.9B23.C8.o4.ts Method TBLASTX:Soybean
 Start 2380 End 3022
 GI none Score 151
 Exons 2380..2481, 2403..2486, 2608..2778, 2609..2791, 2875..2946, 2894..3022

Seq. No. 23005 Seq. ID OJ990825_10.9B23.C8
 Gene No. 47899 Strand -
 Start 9138 End 12281
 Name OJ990825_10.9B23.C8.o1.tm Method TBLASTX:Maize
 Start 2945 End 3700
 GI none Score 242
 Exons 2945..3103, 2950..3063, 2951..3109, 2974..3108, 3172..3495, 3179..3544, 3179..3358, 3180..3545, 3183..3542, 3416..3544, 3492..3695, 3542..3691, 3547..3696, 3548..3700

Seq. No. 23005 Seq. ID OJ990825_10.9B23.C8
 Gene No. 47899 Strand -
 Start 9138 End 12281
 Name OJ990825_10.9B23.C8.o3.ts Method TBLASTX:Soybean

Start	3246	End	3653
GI	none	Score	154
Exons	3246..3422, 3254..3358, 3411..3653, 3434..3652		

Seq. No.	23005	Seq. ID	OJ990825_10.9B23.C8
Gene No.	47899	Strand	-
Start	9138	End	12281
Name	OJ990825_10.9B23.C8.o4.tm	Method	TBLASTX:Maize
Start	3714	End	3834
GI	none	Score	190
Exons	3714..3830, 3716..3826, 3733..3834		

Seq. No.	23005	Seq. ID	OJ990825_10.9B23.C8
Gene No.	47899	Strand	-
Start	9138	End	12281
Name	OJ990825_10.9B23.C8.o1.ts	Method	TBLASTX:Soybean
Start	4995	End	5255
GI	none	Score	315
Exons	4995..5027, 5012..5215, 5016..5255		

Seq. No.	23005	Seq. ID	OJ990825_10.9B23.C8
Gene No.	47899	Strand	-
Start	9138	End	12281
Name	OJ990825_10.9B23.C8.o2.tm	Method	TBLASTX:Maize
Start	4995	End	5255
GI	none	Score	389
Exons	4995..5033, 5015..5215, 5016..5255		

Seq. No.	23005	Seq. ID	OJ990825_10.9B23.C8
Gene No.	47899	Strand	-
Start	9138	End	12281
Name	OJ990825_10.9B23.C8.o1.tw	Method	TBLASTX:Wheat
Start	4995	End	5255
GI	none	Score	374
Exons	4995..5033, 5012..5215, 5016..5255		

Seq. No.	23005	Seq. ID	OJ990825_10.9B23.C8
Gene No.	47899	Strand	-
Start	9138	End	12281
Name	OJ990825_10.9B23.C8.o2.tc	Method	TBLASTX:Cress
Start	4995	End	5333
GI	none	Score	305
Exons	4995..5027, 5012..5215, 5016..5333		

Seq. No.	23005	Seq. ID	OJ990825_10.9B23.C8
Gene No.	47899	Strand	-
Start	9138	End	12281
Name	OJ990825_10.9B23.C8.o2.np	Method	AAT/NAP
Start	9138	End	12281
GI	6862923	Score	301
Exons	9138..9234, 10160..10743, 12262..12281		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	23005	Seq. ID	OJ990825_10.9B23.C8
Gene No.	47899	Strand	-
Start	9138	End	12281
Name	OJ990825_10.9B23.C8.o3.gs	Method	GENSCAN

Start 10156
 GI none
 Exons 10156..10474, 10563..10867

End 10867
 Score .52

Seq. No. 23005
 Gene No. 47899
 Start 9138
 Name OJ990825_10.9B23.C8.o3.tm
 Start 10193
 GI none
 Exons 10193..10324, 10195..10320, 10320..10436, 10330..10431, 10473..10670, 10475..10747

Seq. ID OJ990825_10.9B23.C8
 Strand -
 End 12281
 Method TBLASTX:Maize
 End 10747
 Score 42

Seq. No. 23005
 Gene No. 47899
 Start 9138
 Name OJ990825_10.9B23.C8.o2.ts
 Start 10195
 GI none
 Exons 10195..10320, 10223..10324, 10320..10436, 10330..10431, 10473..10676, 10475..10747

Seq. ID OJ990825_10.9B23.C8
 Strand -
 End 12281
 Method TBLASTX:Soybean
 End 10747
 Score 45

Seq. No. 23005
 Gene No. 47899
 Start 9138
 Name OJ990825_10.9B23.C8.o3.tc
 Start 10469
 GI none
 Exons 10469..10744

Seq. ID OJ990825_10.9B23.C8
 Strand -
 End 12281
 Method TBLASTX:Cress
 End 10744
 Score 194

Seq. No. 23006
 Gene No. 47900
 Start 268
 Name OJ990825_10.9B23.C9.o1.gs
 Start 268
 GI none
 Exons 268..525, 701..878

Seq. ID OJ990825_10.9B23.C9
 Strand -
 End 878
 Method GENSCAN
 End 878
 Score .56

Seq. No. 23006
 Gene No. 47901
 Start 972
 Name OJ990825_10.9B23.C9.o1.gp
 Start 972
 GI 17415_1.R1084
 Exons 972..1394

Seq. ID OJ990825_10.9B23.C9
 Strand -
 End 1394
 Method AAT/GAP
 End 1394
 Score 723

GI Descrip. '2280519/dbj|AB005879|AB005879 1.0e-14 Nicotiana tabacum mRNA for BYJ6, partial cds'

Seq. No. 23006
 Gene No. 47902
 Start 1420
 Name OJ990825_10.9B23.C9.o1.tm
 Start 987
 GI none
 Exons 987..1052, 992..1039, 1069..1095, 1069..1098, 1100..1123, 1125..1145, 1327..1353, 1328..1354, 1329..1349, 1414..1548, 1415..1549, 1418..1549, 1630..1710, 1635..1718, 1662..1712

Seq. ID OJ990825_10.9B23.C9
 Strand -
 End 1718
 Method TBLASTX:Maize
 End 1718
 Score 76

Seq. No.	23006	Seq. ID	OJ990825_10.9B23.C9
Gene No.	47902	Strand	-
Start	1420	End	1718
Name	OJ990825_10.9B23.C9.o1.np	Method	AAT/NAP
Start	1420	End	1712
GI	4733891	Score	262
Exons	1420..1540, 1630..1712		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	23006	Seq. ID	OJ990825_10.9B23.C9
Gene No.	47902	Strand	-
Start	1420	End	1718
Name	OJ990825_10.9B23.C9.o1.tc	Method	TBLASTX:Cress
Start	1435	End	1712
GI	none	Score	103
Exons	1435..1548, 1436..1549, 1635..1700, 1662..1712		

Seq. No.	23006	Seq. ID	OJ990825_10.9B23.C9
Gene No.	47902	Strand	-
Start	1420	End	1718
Name	OJ990825_10.9B23.C9.o1.ts	Method	TBLASTX:Soybean
Start	1435	End	1713
GI	none	Score	113
Exons	1435..1548, 1448..1549, 1503..1568, 1635..1700, 1662..1712, 1663..1713		

Seq. No.	23007	Seq. ID	OJ990825_10.9B23.C10
Gene No.	47903	Strand	+
Start	390	End	768
Name	OJ990825_10.9B23.C10.o1.gs	Method	GENSCAN
Start	390	End	768
GI	none	Score	.77
Exons	390..768		

Seq. No.	23007	Seq. ID	OJ990825_10.9B23.C10
Gene No.	47904	Strand	+
Start	11285	End	19298
Name	OJ990825_10.9B23.C10.o4.gs	Method	GENSCAN
Start	11285	End	19298
GI	none	Score	.46
Exons	11285..11704, 11759..12034, 13091..13153, 13773..13968, 14046..14241, 14295..14351, 18135..18312, 18959..19107, 19166..19298		

Seq. No.	23007	Seq. ID	OJ990825_10.9B23.C10
Gene No.	47905	Strand	+
Start	23060	End	24687
Name	OJ990825_10.9B23.C10.o6.gs	Method	GENSCAN
Start	23060	End	24203
GI	none	Score	.64
Exons	23060..23314, 23466..23594, 23824..23967, 24054..24203		

Seq. No.	23007	Seq. ID	OJ990825_10.9B23.C10
Gene No.	47905	Strand	+
Start	23060	End	24687
Name	OJ990825_10.9B23.C10.o1.np	Method	AAT/NAP

Start 23463 End 24687
 GI 4733891 Score 897
 Exons 23463..23594, 23824..23967, 24054..24199, 24309..24465,
 24562..24620, 24663..24687
 GI Descrip. (AF104924) unconventional myosin heavy chain [Zea mays]

Seq. No. 23007 Seq. ID OJ990825_10.9B23.C10
 Gene No. 47906 Strand -
 Start 2619 End 5804
 Name OJ990825_10.9B23.C10.o2.gs Method GENSCAN
 Start 2619 End 5804
 GI none Score .56
 Exons 2619..2696, 2755..2837, 2934..3030, 3526..3594, 3724..3930,
 4796..4828, 5183..5268, 5382..5555, 5586..5768, 5774..5804

Seq. No. 23007 Seq. ID OJ990825_10.9B23.C10
 Gene No. 47907 Strand -
 Start 8179 End 9138
 Name OJ990825_10.9B23.C10.o3.gs Method GENSCAN
 Start 8179 End 9138
 GI none Score .42
 Exons 8179..8355, 9064..9138

Seq. No. 23007 Seq. ID OJ990825_10.9B23.C10
 Gene No. 47908 Strand -
 Start 20467 End 21743
 Name OJ990825_10.9B23.C10.o1.tm Method TBLASTX:Maize
 Start 3508 End 3933
 GI none Score 99
 Exons 3508..3543, 3541..3651, 3542..3658, 3628..3810, 3631..3810,
 3792..3830, 3814..3828, 3827..3898, 3828..3902, 3898..3933,
 3899..3931

Seq. No. 23007 Seq. ID OJ990825_10.9B23.C10
 Gene No. 47908 Strand -
 Start 20467 End 21743
 Name OJ990825_10.9B23.C10.o5.gs Method GENSCAN
 Start 20467 End 21743
 GI none Score .93
 Exons 20467..20635, 21163..21356, 21492..21743

Seq. No. 23007 Seq. ID OJ990825_10.9B23.C10
 Gene No. 47909 Strand -
 Start 23448 End 24620
 Name OJ990825_10.9B23.C10.o1.tc Method TBLASTX:Cress
 Start 23448 End 24620
 GI none Score 147
 Exons 23448..23597, 23484..23591, 23847..23966, 23847..23966,
 23848..23967, 24050..24205, 24054..24200, 24073..24204,
 24075..24209, 24298..24405, 24300..24464, 24301..24468,
 24559..24600, 24561..24620

Seq. No. 23008 Seq. ID OJ990825_10.9B23.C11
 Gene No. 47910 Strand +
 Start 1 End 1677
 Name OJ990825_10.9B23.C11.o1.np Method AAT/NAP
 Start 1 End 1677

GI 4733891 Score 589
 Exons 1..203, 293..350, 434..535, 1353..1387, 1543..1677
 GI Descrip. (AF104924) unconventional myosin heavy chain [Zea mays]

Seq. No. 23008 Seq. ID OJ990825_10.9B23.C11
 Gene No. 47910 Strand +
 Start 1 End 1677
 Name OJ990825_10.9B23.C11.o1.tc Method TBLASTX:Cress
 Start 82 End 1675
 GI none Score 143
 Exons 82..201, 82..201, 84..209, 288..350, 290..346, 431..535, 431..538, 1537..1662, 1541..1669, 1543..1674, 1544..1675

Seq. No. 23008 Seq. ID OJ990825_10.9B23.C11
 Gene No. 47910 Strand +
 Start 1 End 1677
 Name OJ990825_10.9B23.C11.o1.gs Method GENSCAN
 Start 102 End 1669
 GI none Score .92
 Exons 102..203, 233..350, 434..535, 1353..1387, 1543..1669

Seq. No. 23008 Seq. ID OJ990825_10.9B23.C11
 Gene No. 47910 Strand +
 Start 1 End 1677
 Name OJ990825_10.9B23.C11.o1.tm Method TBLASTX:Maize
 Start 157 End 535
 GI none Score 57
 Exons 157..201, 287..346, 288..350, 431..535

Seq. No. 23008 Seq. ID OJ990825_10.9B23.C11
 Gene No. 47910 Strand +
 Start 1 End 1677
 Name OJ990825_10.9B23.C11.o2.tm Method TBLASTX:Maize
 Start 1543 End 1672
 GI none Score 185
 Exons 1543..1671, 1544..1672

Seq. No. 23009 Seq. ID OJ990825_13.9B24.C2
 Gene No. 47911 Strand +
 Start 3260 End 3622
 Name OJ990825_13.9B24.C2.o1.np Method AAT/NAP
 Start 3260 End 3622
 GI 6225764 Score 205
 Exons 3260..3622
 GI Descrip. NONSPECIFIC LIPID-TRANSFER PROTEIN 4.1 PRECURSOR (LTP 4.1) (CW21) (CW-21) gi|629782|pir||S45371 non-specific lipid transfer protein Cw-21 - barley gi|443799|emb|CAA48621| (X68654) Cw-21 peptide,non specific lipid transfer protein [Hordeum vulgare]

Seq. No. 23010 Seq. ID OJ990825_13.9B24.C3
 Gene No. 47912 Strand +
 Start 294 End 1556
 Name OJ990825_13.9B24.C3.o1.gs Method GENSCAN
 Start 294 End 1556
 GI none Score .41
 Exons 294..389, 412..553, 1438..1556

Seq. No. 23010
 Gene No. 47913
 Start 3080
 Name OJ990825_13.9B24.C3.o2.gs
 Start 3080
 GI none
 Exons 3080..4870

Seq. ID OJ990825_13.9B24.C3
 Strand -
 End 4897
 Method GENSCAN
 End 4870
 Score 1

Seq. No. 23010
 Gene No. 47913
 Start 3080
 Name OJ990825_13.9B24.C3.o1.np
 Start 3119
 GI 5734765
 Exons 3119..4897

Seq. ID OJ990825_13.9B24.C3
 Strand -
 End 4897
 Method AAT/NAP
 End 4897
 Score 1757

GI Descrip. (AC007651) Very similar to amino acid transporter [Arabidopsis thaliana]

Seq. No. 23010
 Gene No. 47914
 Start 7060
 Name OJ990825_13.9B24.C3.o3.tc
 Start 3182
 GI none
 Exons 3182..3343, 3183..3344

Seq. ID OJ990825_13.9B24.C3
 Strand -
 End 7786
 Method TBLASTX:Cress
 End 3344
 Score 114

Seq. No. 23010
 Gene No. 47914
 Start 7060
 Name OJ990825_13.9B24.C3.o2.tc
 Start 3428
 GI none
 Exons 3428..3835, 3567..3836

Seq. ID OJ990825_13.9B24.C3
 Strand -
 End 7786
 Method TBLASTX:Cress
 End 3836
 Score 166

Seq. No. 23010
 Gene No. 47914
 Start 7060
 Name OJ990825_13.9B24.C3.o2.tm
 Start 3530
 GI none
 Exons 3530..4039, 3621..3755, 3795..4028

Seq. ID OJ990825_13.9B24.C3
 Strand -
 End 7786
 Method TBLASTX:Maize
 End 4039
 Score 62

Seq. No. 23010
 Gene No. 47914
 Start 7060
 Name OJ990825_13.9B24.C3.o1.ts
 Start 3602
 GI none
 Exons 3602..3835, 3603..3833

Seq. ID OJ990825_13.9B24.C3
 Strand -
 End 7786
 Method TBLASTX:Soybean
 End 3835
 Score 170

Seq. No. 23010
 Gene No. 47914
 Start 7060
 Name OJ990825_13.9B24.C3.o1.tc
 Start 4086
 GI none
 Exons 4086..4352, 4115..4492, 4562..4819, 4563..4817

Seq. ID OJ990825_13.9B24.C3
 Strand -
 End 7786
 Method TBLASTX:Cress
 End 4819
 Score 107

Seq. No.	23010	Seq. ID	OJ990825_13.9B24.C3
Gene No.	47914	Strand	-
Start	7060	End	7786
Name	OJ990825_13.9B24.C3.o2.ts	Method	TBLASTX:Soybean
Start	4181	End	4423
GI	none	Score	88
Exons	4181..4423, 4223..4339		

Seq. No.	23010	Seq. ID	OJ990825_13.9B24.C3
Gene No.	47914	Strand	-
Start	7060	End	7786
Name	OJ990825_13.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	4301	End	4826
GI	none	Score	140
Exons	4301..4825, 4305..4469, 4563..4826		

Seq. No.	23010	Seq. ID	OJ990825_13.9B24.C3
Gene No.	47914	Strand	-
Start	7060	End	7786
Name	OJ990825_13.9B24.C3.o3.gs	Method	GENSCAN
Start	7060	End	7786
GI	none	Score	.82
Exons	7060..7209, 7248..7413, 7696..7786		

Seq. No.	23011	Seq. ID	OJ990825_13.9B24.C4
Gene No.	47915	Strand	+
Start	1	End	462
Name	OJ990825_13.9B24.C4.o1.np	Method	AAT/NAP
Start	1	End	462
GI	6063557	Score	155
Exons	1..102, 356..462		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	23011	Seq. ID	OJ990825_13.9B24.C4
Gene No.	47916	Strand	-
Start	503	End	914
Name	OJ990825_13.9B24.C4.o1.gs	Method	GENSCAN
Start	503	End	914
GI	none	Score	.64
Exons	503..666, 836..914		

Seq. No.	23012	Seq. ID	OJ990825_13.9B24.C5
Gene No.	47917	Strand	-
Start	390	End	2463
Name	OJ990825_13.9B24.C5.o1.gs	Method	GENSCAN
Start	390	End	2463
GI	none	Score	.67
Exons	390..432, 1924..2028, 2135..2463		

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47918	Strand	+
Start	1	End	12190
Name	OJ990825_13.9B24.C6.o1.np	Method	AAT/NAP
Start	1	End	950
GI	6721543	Score	85
Exons	1..57, 782..950		

GI Descrip. (AP001073) hypothetical protein [Oryza sativa]

Seq. No. 23013 Seq. ID OJ990825_13.9B24.C6
Gene No. 47918 Strand +
Start 1 End 12190
Name OJ990825_13.9B24.C6.o1.gs Method GENSCAN
Start 510 End 12190
GI none Score .4
Exons 510..2164, 2219..2724, 2941..3138, 3522..3672, 3778..4114,
4199..4609, 4700..4998, 5075..5333, 5426..5551, 5578..5675,
5766..5897, 5961..6008, 6013..6215, 6366..6532, 7110..7214,
7565..7729, 7825..7949, 8576..8700, 8768..8878, 10309..10361,
11058..11239, 11279..11432, 11969..12190

Seq. No. 23013 Seq. ID OJ990825_13.9B24.C6
Gene No. 47918 Strand +
Start 1 End 12190
Name OJ990825_13.9B24.C6.o2.np Method AAT/NAP
Start 963 End 6247
GI 5441880 Score 4822
Exons 963..1968, 2413..2444, 2703..3018, 3522..3672, 3778..4114,
4700..4998, 5075..5333, 5578..5675, 5766..5897, 6013..6247

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the
predicted gene.; Similar to maize transposon MuDR mudrA protein.
(AC003981) [Oryza sativa]

Seq. No. 23013 Seq. ID OJ990825_13.9B24.C6
Gene No. 47918 Strand +
Start 1 End 12190
Name OJ990825_13.9B24.C6.o2.gp Method AAT/GAP
Start 1567 End 1998
GI 5701669 Score 845
Exons 1567..1998

GI Descrip. 5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)
corresponds to a region of the predicted gene.; Similar to maize
transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No. 23013 Seq. ID OJ990825_13.9B24.C6
Gene No. 47918 Strand +
Start 1 End 12190
Name OJ990825_13.9B24.C6.o3.gp Method AAT/GAP
Start 4826 End 5325
GI LIB3475-007-P1-K1-G8 Score 793
Exons 4826..4998, 5075..5325

GI Descrip. '5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)
corresponds to a region of the predicted gene.; Similar to maize
transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No. 23013 Seq. ID OJ990825_13.9B24.C6
Gene No. 47918 Strand +
Start 1 End 12190
Name OJ990825_13.9B24.C6.o4.gp Method AAT/GAP
Start 6351 End 6804
GI LIB3431-045-P1-N1-A10 Score 836
Exons 6351..6804

GI Descrip. '5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic
DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47919	Strand	-
Start	1	End	61
Name	OJ990825_13.9B24.C6.o1.gp	Method	AAT/GAP
Start	1	End	61
GI	7406_1.R1084	Score	90
Exons	1..61		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47920	Strand	-
Start	5957	End	7202
Name	OJ990825_13.9B24.C6.o3.np	Method	AAT/NAP
Start	5957	End	7202
GI	6721543	Score	82
Exons	5957..6014, 7070..7202		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47920	Strand	-
Start	5957	End	7202
Name	OJ990825_13.9B24.C6.o5.gp	Method	AAT/GAP
Start	6747	End	7188
GI	7406_1.R1084	Score	564
Exons	6747..6821, 6856..7188		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47921	Strand	-
Start	11081	End	11411
Name	OJ990825_13.9B24.C6.o6.gp	Method	AAT/GAP
Start	11081	End	11411
GI	427508	Score	658
Exons	11081..11411		

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47922	Strand	-
Start	11826	End	12079
Name	OJ990825_13.9B24.C6.o7.gp	Method	AAT/GAP
Start	11826	End	12079
GI	none	Score	464
Exons	11826..12079		

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47923	Strand	-
Start	14240	End	15010
Name	OJ990825_13.9B24.C6.o1.tm	Method	TBLASTX:Maize
Start	1524	End	2120
GI	none	Score	93
Exons	1524..1652, 1532..1603, 1686..1985, 1703..1924, 2049..2120		

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47923	Strand	-
Start	14240	End	15010

Name	OJ990825_13.9B24.C6.o1.tw	Method	TBLASTX:Wheat
Start	1818	End	2198
GI	none	Score	203
Exons	1818..2012, 1827..2024, 2018..2143, 2022..2198, 2022..2168		

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47923	Strand	-
Start	14240	End	15010
Name	OJ990825_13.9B24.C6.o2.gs	Method	GENSCAN
Start	14240	End	15010
GI	none	Score	.43
Exons	14240..14347, 14939..15010		

Seq. No.	23013	Seq. ID	OJ990825_13.9B24.C6
Gene No.	47923	Strand	-
Start	14240	End	15010
Name	OJ990825_13.9B24.C6.o4.np	Method	AAT/NAP
Start	14294	End	14922
GI	5042454	Score	212
Exons	14294..14354, 14757..14922		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47924	Strand	+
Start	580	End	645
Name	OJ990825_13.9B24.C7.o1.gs	Method	GENSCAN
Start	580	End	645
GI	none	Score	.74
Exons	580..645		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47925	Strand	+
Start	3035	End	3580
Name	OJ990825_13.9B24.C7.o3.gs	Method	GENSCAN
Start	3035	End	3532
GI	none	Score	1
Exons	3035..3532		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47925	Strand	+
Start	3035	End	3580
Name	OJ990825_13.9B24.C7.o1.np	Method	AAT/NAP
Start	3038	End	3580
GI	4337175	Score	326
Exons	3038..3580		
GI Descrip.	(AC006416) ESTs gb T20589, gb T04648, gb AA597906, gb T04111, gb R84180, gb R65428, gb T44439, gb T76570, gb R90004, gb T45020, gb T42457, gb T20921, gb AA042762 and gb AA720210 come from this gene. [Arabidopsis thaliana]		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47926	Strand	+
Start	17786	End	24609
Name	OJ990825_13.9B24.C7.o7.gs	Method	GENSCAN
Start	17786	End	20881
GI	none	Score	.55
Exons	17786..17842, 18277..18381, 18411..19407, 19539..20881		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47926	Strand	+
Start	17786	End	24609
Name	OJ990825_13.9B24.C7.o2.np	Method	AAT/NAP
Start	18962	End	24606
GI	6498441	Score	6952
Exons	18962..20024, 20355..20818, 20882..21255, 21439..21573, 21748..22173, 22366..22662, 22834..24231, 24325..24606		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47926	Strand	+
Start	17786	End	24609
Name	OJ990825_13.9B24.C7.o8.gs	Method	GENSCAN
Start	20945	End	24609
GI	none	Score	.5
Exons	20945..21731, 21911..23055, 23089..24609		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47927	Strand	+
Start	24767	End	25220
Name	OJ990825_13.9B24.C7.o3.gp	Method	AAT/GAP
Start	24767	End	25220
GI	2428323	Score	682
Exons	24767..25220		
GI Descrip.	5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47928	Strand	+
Start	25328	End	25464
Name	OJ990825_13.9B24.C7.o9.gs	Method	GENSCAN
Start	25328	End	25464
GI	none	Score	.62
Exons	25328..25464		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47929	Strand	-
Start	1765	End	2508
Name	OJ990825_13.9B24.C7.o2.gs	Method	GENSCAN
Start	1765	End	2508
GI	none	Score	.92
Exons	1765..2011, 2019..2180, 2282..2508		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47930	Strand	-
Start	2957	End	3545
Name	OJ990825_13.9B24.C7.o1.gp	Method	AAT/GAP
Start	2957	End	3545
GI	1170_4.R1084	Score	1059
Exons	2957..3545		
GI Descrip.	'4337175/gb AAD18096 3.0e-24 (AC006416) ESTs gb_T20589, gb_T04648, gb_AA597906, gb_T04111, gb_R84180, gb_R65428, gb_T44439, gb_T76570, gb_R90004, gb_T45020, gb_T42457,		

gb_T20921, gb_AA042762 and gb_AA720210 come from this gene.
[Arabidopsis thaliana]'

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47931	Strand	-
Start	16182	End	17168
Name	OJ990825_13.9B24.C7.o6.gs	Method	GENSCAN
Start	16182	End	17168
GI	none	Score	.6
Exons	16182..16386, 16981..17168		
Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47932	Strand	-
Start	17701	End	18111
Name	OJ990825_13.9B24.C7.o2.gp	Method	AAT/GAP
Start	17701	End	18111
GI	uC-osflcyp172a09a1	Score	560
Exons	17701..18020, 18046..18111		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o1.tm	Method	TBLASTX:Maize
Start	3028	End	3457
GI	none	Score	135
Exons	3028..3078, 3029..3115, 3029..3220, 3117..3215, 3176..3217, 3212..3331, 3221..3457, 3223..3456		
Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o2.ts	Method	TBLASTX:Soybean
Start	3041	End	3457
GI	none	Score	51
Exons	3041..3115, 3179..3226, 3221..3394, 3238..3372, 3383..3457		
Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o2.tc	Method	TBLASTX:Cress
Start	3047	End	3451
GI	none	Score	57
Exons	3047..3115, 3175..3216, 3176..3226, 3221..3451, 3280..3450		
Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o8.tw	Method	TBLASTX:Wheat
Start	3116	End	26207
GI	none	Score	55
Exons	3116..3238, 3117..3209, 3176..3226, 3209..3328, 3220..3372, 3221..3379, 3392..3454, 3394..3450, 17329..17400, 19770..19859, 26136..26207		
Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7

Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o5.tm	Method	TBLASTX:Maize
Start	11768	End	12289
GI	none	Score	48
Exons	11768..11815, 11769..11804, 11771..11806, 11800..11958, 11808..11954, 11808..11960, 11809..11964, 11958..12116, 11961..12002, 12073..12135, 12202..12246, 12212..12289		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o1.tc	Method	TBLASTX:Cress
Start	11815	End	12129
GI	none	Score	237
Exons	11815..12129, 11910..12008, 12072..12122		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o6.tw	Method	TBLASTX:Wheat
Start	19110	End	19502
GI	none	Score	58
Exons	19110..19157, 19164..19262, 19169..19261, 19241..19468, 19245..19502		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o6.tm	Method	TBLASTX:Maize
Start	19115	End	19400
GI	none	Score	196
Exons	19115..19399, 19152..19400		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o3.tw	Method	TBLASTX:Wheat
Start	20240	End	20734
GI	none	Score	402
Exons	20240..20734, 20291..20689, 20434..20721		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o1.tw	Method	TBLASTX:Wheat
Start	20889	End	21352
GI	none	Score	208
Exons	20889..21332, 20890..21345, 20891..21352, 20891..21346		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o3.ts	Method	TBLASTX:Soybean
Start	20930	End	21295
GI	none	Score	109
Exons	20930..21154, 21161..21295		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o2.tm	Method	TBLASTX:Maize
Start	21020	End	21376
GI	none	Score	392
Exons	21020..21376, 21055..21366, 21260..21376		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o4.tm	Method	TBLASTX:Maize
Start	21403	End	21787
GI	none	Score	359
Exons	21403..21768, 21404..21787		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o2.tw	Method	TBLASTX:Wheat
Start	21460	End	21879
GI	none	Score	436
Exons	21460..21861, 21461..21862, 21838..21879		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o1.ts	Method	TBLASTX:Soybean
Start	21509	End	21909
GI	none	Score	221
Exons	21509..21829, 21556..21699, 21835..21909		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o5.tw	Method	TBLASTX:Wheat
Start	22510	End	22968
GI	none	Score	236
Exons	22510..22731, 22534..22785, 22599..22775, 22819..22968, 22828..22965		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o9.tw	Method	TBLASTX:Wheat
Start	22971	End	23283
GI	none	Score	188
Exons	22971..23147, 23023..23283		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o3.tm	Method	TBLASTX:Maize
Start	23476	End	23808
GI	none	Score	360
Exons	23476..23799, 23493..23786, 23596..23808		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o4.tw	Method	TBLASTX:Wheat
Start	23613	End	23994
GI	none	Score	371
Exons	23613..23963, 23614..23994		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o7.tw	Method	TBLASTX:Wheat
Start	23995	End	24597
GI	none	Score	257
Exons	23995..24285, 24000..24278, 24471..24593, 24472..24597		

Seq. No.	23014	Seq. ID	OJ990825_13.9B24.C7
Gene No.	47933	Strand	-
Start	25191	End	26207
Name	OJ990825_13.9B24.C7.o3.np	Method	AAT/NAP
Start	25191	End	25419
GI	6539586	Score	330
Exons	25191..25419		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	23015	Seq. ID	OJ990825_13.9B24.C8
Gene No.	47934	Strand	+
Start	129	End	182
Name	OJ990825_13.9B24.C8.o1.np	Method	AAT/NAP
Start	129	End	182
GI	5042454	Score	52
Exons	129..182		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23015	Seq. ID	OJ990825_13.9B24.C8
Gene No.	47935	Strand	+
Start	232	End	2098
Name	OJ990825_13.9B24.C8.o1.gs	Method	GENSCAN
Start	232	End	2098
GI	none	Score	.76
Exons	232..300, 922..1057, 1962..2098		

Seq. No.	23016	Seq. ID	OJ990825_13.9B24.C11
Gene No.	47936	Strand	+
Start	1	End	359
Name	OJ990825_13.9B24.C11.o1.np	Method	AAT/NAP
Start	1	End	359
GI	6006866	Score	401
Exons	1..359		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23016	Seq. ID	OJ990825_13.9B24.C11
Gene No.	47937	Strand	-
Start	289	End	521
Name	OJ990825_13.9B24.C11.o1.tm	Method	TBLASTX:Maize
Start	26	End	361

GI	none	Score	437
Exons	26..358, 27..296, 29..361		
Seq. No.	23016	Seq. ID	OJ990825_13.9B24.C11
Gene No.	47937	Strand	-
Start	289	End	521
Name	OJ990825_13.9B24.C11.ol.gs	Method	GENSCAN
Start	289	End	521
GI	none	Score	.6
Exons	289..399, 453..521		
Seq. No.	23017	Seq. ID	OJ990825_13.9B24.C12
Gene No.	47938	Strand	-
Start	1	End	194
Name	OJ990825_13.9B24.C12.ol.gp	Method	AAT/GAP
Start	1	End	194
GI	26047_1.R1084	Score	320
Exons	1..194		
GI Descrip.	'1711508/sp P49968 SR51_HORVU 6.0e-42 SIGNAL RECOGNITION PARTICLE 54 KD PROTEIN 1 (SRP54) >gi_1020000 (L48284) signal recognition particle 54 kDa subunit [Hordeum vulgare]'		
Seq. No.	23018	Seq. ID	OJ990825_13.9B24.C14
Gene No.	47939	Strand	+
Start	397	End	537
Name	OJ990825_13.9B24.C14.ol.ts	Method	TBLASTX:Soybean
Start	388	End	537
GI	none	Score	229
Exons	388..537, 396..518, 406..528		
Seq. No.	23018	Seq. ID	OJ990825_13.9B24.C14
Gene No.	47939	Strand	+
Start	397	End	537
Name	OJ990825_13.9B24.C14.ol.gs	Method	GENSCAN
Start	397	End	528
GI	none	Score	.95
Exons	397..528		
Seq. No.	23019	Seq. ID	OJ990825_13.9B24.C15
Gene No.	47940	Strand	-
Start	122	End	686
Name	OJ990825_13.9B24.C15.ol.gs	Method	GENSCAN
Start	122	End	686
GI	none	Score	.56
Exons	122..211, 518..686		
Seq. No.	23020	Seq. ID	OJ990825_13.9B24.C16
Gene No.	47941	Strand	+
Start	598	End	686
Name	OJ990825_13.9B24.C16.ol.gp	Method	AAT/GAP
Start	598	End	686
GI	4087_1.R1084	Score	150
Exons	598..686		
GI Descrip.	'6006848/gb AAF00624.1 AC009540_1 4.0e-12 (AC009540) unknown protein, 5'' partial [Arabidopsis thaliana]'		
Seq. No.	23021	Seq. ID	OJ990825_13.9B24.C20

Gene No.	47942	Strand	+
Start	263	End	1025
Name	OJ990825_13.9B24.C20.o1.np	Method	AAT/NAP
Start	263	End	1025
GI	5922623	Score	73
Exons	263..484, 672..746, 995..1025		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	23021	Seq. ID	OJ990825_13.9B24.C20
Gene No.	47943	Strand	-
Start	209	End	356
Name	OJ990825_13.9B24.C20.o1.gs	Method	GENSCAN
Start	209	End	356
GI	none	Score	.74
Exons	209..356		

Seq. No.	23022	Seq. ID	OJ990825_13.9B24.C21
Gene No.	47944	Strand	-
Start	250	End	394
Name	OJ990825_13.9B24.C21.o1.gs	Method	GENSCAN
Start	250	End	394
GI	none	Score	.48
Exons	250..394		

Seq. No.	23023	Seq. ID	OJ990825_13.9B24.C22
Gene No.	47945	Strand	+
Start	1	End	55
Name	OJ990825_13.9B24.C22.o1.gp	Method	AAT/GAP
Start	1	End	55
GI	85267_1.R1084	Score	94
Exons	1..55		
GI Descrip.	'1711512/sp P49972 SR52_LYCES 4.0e-11 SIGNAL RECOGNITION PARTICLE 54 KD PROTEIN 2 (SRP54) >gi_1076577_pir_S51598 signal recognition particle 54K protein - tomato (cv. UC82-B) >gi_556902_emb_CAA84288_ (Z34527) 54-kD signal recognition particle (SRP) specific protein [Lycopersicon esculentum]'		

Seq. No.	23024	Seq. ID	OJ990825_13.9B24.C24
Gene No.	47946	Strand	+
Start	1	End	334
Name	OJ990825_13.9B24.C24.o1.np	Method	AAT/NAP
Start	1	End	334
GI	2245123	Score	255
Exons	1..334		
GI Descrip.	(Z97343) sperm protein homolog [Arabidopsis thaliana]		

Seq. No.	23024	Seq. ID	OJ990825_13.9B24.C24
Gene No.	47946	Strand	+
Start	1	End	334
Name	OJ990825_13.9B24.C24.o1.gp	Method	AAT/GAP
Start	199	End	277
GI	none	Score	125
Exons	199..277		

Seq. No.	23024	Seq. ID	OJ990825_13.9B24.C24
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Gene No. 47947
 Start 18
 Name OJ990825_13.9B24.C24.o1.gs
 Start 18
 GI none
 Exons 18..247

Strand -
 End 289
 Method GENSCAN
 End 247
 Score .79

Seq. No. 23024
 Gene No. 47947
 Start 18
 Name OJ990825_13.9B24.C24.o1.tm
 Start 80
 GI none
 Exons 80..277, 82..288, 83..289

Seq. ID OJ990825_13.9B24.C24
 Strand -
 End 289
 Method TBLASTX:Maize
 End 289
 Score 316

Seq. No. 23025
 Gene No. 47948
 Start 15
 Name OJ990825_13.9B24.C25.o1.gs
 Start 15
 GI none
 Exons 15..79, 112..169

Seq. ID OJ990825_13.9B24.C25
 Strand -
 End 169
 Method GENSCAN
 End 169
 Score .61

Seq. No. 23026
 Gene No. 47949
 Start 1
 Name OJ990825_13.9B24.C27.o1.np
 Start 1
 GI 3201554
 Exons 1..139, 588..658
 GI Descrip. (AJ006501) beta-D-glucosidase [Tropaeolum majus]

Seq. ID OJ990825_13.9B24.C27
 Strand -
 End 658
 Method AAT/NAP
 End 658
 Score 144

Seq. No. 23026
 Gene No. 47949
 Start 1
 Name OJ990825_13.9B24.C27.o1.tm
 Start 2
 GI none
 Exons 2..127, 3..128

Seq. ID OJ990825_13.9B24.C27
 Strand -
 End 658
 Method TBLASTX:Maize
 End 128
 Score 159

Seq. No. 23026
 Gene No. 47949
 Start 1
 Name OJ990825_13.9B24.C27.o1.tw
 Start 5
 GI none
 Exons 5..139, 6..140, 37..141

Seq. ID OJ990825_13.9B24.C27
 Strand -
 End 658
 Method TBLASTX:Wheat
 End 141
 Score 158

Seq. No. 23027
 Gene No. 47950
 Start 24
 Name OJ990825_13.9B24.C29.o1.gs
 Start 24
 GI none
 Exons 24..434

Seq. ID OJ990825_13.9B24.C29
 Strand +
 End 434
 Method GENSCAN
 End 434
 Score .94

Seq. No. 23028

Seq. ID OJ990825_13.9B24.C30

Gene No.	47951	Strand	+
Start	2847	End	8273
Name	OJ990825_13.9B24.C30.o1.gs	Method	GENSCAN
Start	2847	End	8273
GI	none	Score	.53
Exons	2847..2897, 2920..3296, 7721..8273		
Seq. No.	23028	Seq. ID	OJ990825_13.9B24.C30
Gene No.	47952	Strand	-
Start	13458	End	15009
Name	OJ990825_13.9B24.C30.o1.tm	Method	TBLASTX:Maize
Start	7761	End	7899
GI	none	Score	130
Exons	7761..7898, 7762..7899		
Seq. No.	23028	Seq. ID	OJ990825_13.9B24.C30
Gene No.	47952	Strand	-
Start	13458	End	15009
Name	OJ990825_13.9B24.C30.o3.gs	Method	GENSCAN
Start	13458	End	15009
GI	none	Score	.92
Exons	13458..13866, 14818..15009		
Seq. No.	23029	Seq. ID	OJ990825_13.9B24.C32
Gene No.	47953	Strand	-
Start	1	End	685
Name	OJ990825_13.9B24.C32.o1.np	Method	AAT/NAP
Start	1	End	685
GI	5932552	Score	109
Exons	1..66, 215..277, 368..467, 652..685		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		
Seq. No.	23029	Seq. ID	OJ990825_13.9B24.C32
Gene No.	47953	Strand	-
Start	1	End	685
Name	OJ990825_13.9B24.C32.o1.gs	Method	GENSCAN
Start	215	End	447
GI	none	Score	.44
Exons	215..277, 368..447		
Seq. No.	23030	Seq. ID	OJ990825_13.9B24.C34
Gene No.	47954	Strand	+
Start	2183	End	2854
Name	OJ990825_13.9B24.C34.o1.gs	Method	GENSCAN
Start	2183	End	2854
GI	none	Score	.55
Exons	2183..2854		
Seq. No.	23030	Seq. ID	OJ990825_13.9B24.C34
Gene No.	47955	Strand	+
Start	4445	End	4526
Name	OJ990825_13.9B24.C34.o1.gp	Method	AAT/GAP
Start	4445	End	4526
GI	568855	Score	125
Exons	4445..4526		
Seq. No.	23031	Seq. ID	OJ990825_13.9B24.C35

Gene No. 47956
 Start 24
 Name OJ990825_13.9B24.C35.o1.gp
 Start 24
 GI none
 Exons 24..417

Strand +
 End 568
 Method AAT/GAP
 End 417
 Score 736

Seq. No. 23031
 Gene No. 47956
 Start 24
 Name OJ990825_13.9B24.C35.o1.gs
 Start 71
 GI none
 Exons 71..568

Seq. ID OJ990825_13.9B24.C35
 Strand +
 End 568
 Method GENSCAN
 End 568
 Score .99

Seq. No. 23031
 Gene No. 47957
 Start 3235
 Name OJ990825_13.9B24.C35.o2.gs
 Start 3235
 GI none
 Exons 3235..3249, 3534..3672, 4295..

Seq. ID OJ990825_13.9B24.C35
 Strand +
 End 5711
 Method GENSCAN
 End 5711
 Score .48
 4412, 5613..5711

Seq. No. 23031
 Gene No. 47958
 Start 1746
 Name OJ990825_13.9B24.C35.o2.gp
 Start 1746
 GI none
 Exons 1746..2078

Seq. ID OJ990825_13.9B24.C35
 Strand -
 End 2078
 Method AAT/GAP
 End 2078
 Score 641

Seq. No. 23032
 Gene No. 47959
 Start 538
 Name OJ990825_13.9B24.C36.o1.gs
 Start 538
 GI none
 Exons 538..560, 1161..1176

Seq. ID OJ990825_13.9B24.C36
 Strand -
 End 1176
 Method GENSCAN
 End 1176
 Score .44

Seq. No. 23033
 Gene No. 47960
 Start 470
 Name OJ990825_13.9B24.C37.o1.gs
 Start 470
 GI none
 Exons 470..485, 2049..2183, 2553..2613, 2751..2799, 2965..3111, 5759..5842

Seq. ID OJ990825_13.9B24.C37
 Strand +
 End 5842
 Method GENSCAN
 End 5842
 Score .4

Seq. No. 23034
 Gene No. 47961
 Start 159
 Name OJ990825_13.9B24.C39.o1.tm
 Start 142
 GI none
 Exons 142..306, 150..326, 163..312, 230..316, 434..547, 436..531

Seq. ID OJ990825_13.9B24.C39
 Strand +
 End 583
 Method TBLASTX:Maize
 End 547
 Score 139

Seq. No. 23034

Seq. ID OJ990825_13.9B24.C39

Gene No.	47961	Strand	+
Start	159	End	583
Name	OJ990825_13.9B24.C39.o1.ts	Method	TBLASTX:Soybean
Start	150	End	550
GI	none	Score	200
Exons	150..326, 233..316, 436..531, 437..550		

Seq. No.	23034	Seq. ID	OJ990825_13.9B24.C39
Gene No.	47961	Strand	+
Start	159	End	583
Name	OJ990825_13.9B24.C39.o1.gs	Method	GENSCAN
Start	159	End	562
GI	none	Score	.71
Exons	159..308, 437..562		

Seq. No.	23034	Seq. ID	OJ990825_13.9B24.C39
Gene No.	47961	Strand	+
Start	159	End	583
Name	OJ990825_13.9B24.C39.o1.gp	Method	AAT/GAP
Start	191	End	583
GI	none	Score	487
Exons	191..308, 437..583		

Seq. No.	23034	Seq. ID	OJ990825_13.9B24.C39
Gene No.	47961	Strand	+
Start	159	End	583
Name	OJ990825_13.9B24.C39.o1.np	Method	AAT/NAP
Start	193	End	583
GI	4049502	Score	87
Exons	193..308, 437..583		
GI Descrip.	(AL034563) transcription initiation factor iif, beta subunit [Schizosaccharomyces pombe]		

Seq. No.	23035	Seq. ID	OJ990825_13.9B24.C42
Gene No.	47962	Strand	+
Start	1	End	181
Name	OJ990825_13.9B24.C42.o1.np	Method	AAT/NAP
Start	1	End	181
GI	3643607	Score	111
Exons	1..181		
GI Descrip.	(AC005395) unknown protein [Arabidopsis thaliana]		

Seq. No.	23036	Seq. ID	OJ990825_13.9B24.C44
Gene No.	47963	Strand	-
Start	1	End	355
Name	OJ990825_13.9B24.C44.o1.np	Method	AAT/NAP
Start	1	End	340
GI	4432839	Score	90
Exons	1..340		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	23036	Seq. ID	OJ990825_13.9B24.C44
Gene No.	47963	Strand	-
Start	1	End	355
Name	OJ990825_13.9B24.C44.o1.gs	Method	GENSCAN
Start	97	End	340
GI	none	Score	.98

Exons 97..340

Seq. No.	23036	Seq. ID	OJ990825_13.9B24.C44
Gene No.	47963	Strand	-
Start	1	End	355
Name	OJ990825_13.9B24.C44.o1.tm	Method	TBLASTX:Maize
Start	137	End	355
GI	none	Score	174
Exons	137..355, 183..341, 197..337		

Seq. No.	23037	Seq. ID	OJ990825_12.9B22.C1
Gene No.	47964	Strand	-
Start	359	End	705
Name	OJ990825_12.9B22.C1.o1.np	Method	AAT/NAP
Start	359	End	705
GI	6063554	Score	142
Exons	359..532, 639..705		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23038	Seq. ID	OJ990825_12.9B22.C2
Gene No.	47965	Strand	+
Start	179	End	349
Name	OJ990825_12.9B22.C2.o1.gp	Method	AAT/GAP
Start	179	End	349
GI	10431_1.R1084	Score	311
Exons	179..349		
GI Descrip.	'1256198/dbj D63711 RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	23038	Seq. ID	OJ990825_12.9B22.C2
Gene No.	47966	Strand	+
Start	620	End	702
Name	OJ990825_12.9B22.C2.o1.gs	Method	GENSCAN
Start	620	End	702
GI	none	Score	.63
Exons	620..702		

Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-
Start	919	End	2999
Name	OJ990825_12.9B22.C3.o3.tw	Method	TBLASTX:Wheat
Start	3	End	245
GI	none	Score	55
Exons	3..245, 10..102		

Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-
Start	919	End	2999
Name	OJ990825_12.9B22.C3.o2.tm	Method	TBLASTX:Maize
Start	27	End	493
GI	none	Score	118
Exons	27..104, 126..254, 254..493, 306..488		

Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-

Start	919	End	2999
Name	OJ990825_12.9B22.C3.o4.tw	Method	TBLASTX:Wheat
Start	395	End	943
GI	none	Score	77
Exons	395..499, 570..695, 595..705, 647..943		
Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-
Start	919	End	2999
Name	OJ990825_12.9B22.C3.o1.ts	Method	TBLASTX:Soybean
Start	567	End	1092
GI	none	Score	69
Exons	567..671, 595..690, 647..754, 740..967, 768..968, 955..1092		
Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-
Start	919	End	2999
Name	OJ990825_12.9B22.C3.o1.tm	Method	TBLASTX:Maize
Start	698	End	1658
GI	none	Score	103
Exons	698..967, 699..953, 958..1602, 1037..1579, 1611..1658		
Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-
Start	919	End	2999
Name	OJ990825_12.9B22.C3.o1.gs	Method	GENSCAN
Start	919	End	2999
GI	none	Score	.62
Exons	919..1311, 1761..1969, 2051..2223, 2969..2999		
Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-
Start	919	End	2999
Name	OJ990825_12.9B22.C3.o5.tw	Method	TBLASTX:Wheat
Start	1021	End	1293
GI	none	Score	69
Exons	1021..1173, 1022..1174, 1183..1293, 1184..1291		
Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-
Start	919	End	2999
Name	OJ990825_12.9B22.C3.o2.tw	Method	TBLASTX:Wheat
Start	1294	End	1605
GI	none	Score	168
Exons	1294..1329, 1297..1605, 1367..1555		
Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-
Start	919	End	2999
Name	OJ990825_12.9B22.C3.o3.tm	Method	TBLASTX:Maize
Start	1743	End	1928
GI	none	Score	92
Exons	1743..1928, 1752..1919, 1756..1920		
Seq. No.	23039	Seq. ID	OJ990825_12.9B22.C3
Gene No.	47967	Strand	-
Start	919	End	2999

Name OJ990825_12.9B22.C3.o1.tw
 Start 1935
 GI none
 Exons 1935..2345, 1951..2115

Method TBLASTX:Wheat
 End 2345
 Score 84

Seq. No. 23039
 Gene No. 47967
 Start 919
 Name OJ990825_12.9B22.C3.o4.tm
 Start 2034
 GI none
 Exons 2034..2207, 2283..2495, 2526..2567

Seq. ID OJ990825_12.9B22.C3
 Strand -
 End 2999
 Method TBLASTX:Maize
 End 2567
 Score 50

Seq. No. 23040
 Gene No. 47968
 Start 2278
 Name OJ990825_12.9B22.C4.o1.gs
 Start 2278
 GI none
 Exons 2278..2325, 2768..2957, 3051..3085, 3199..3603, 3649..4189

Seq. ID OJ990825_12.9B22.C4
 Strand +
 End 4310
 Method GENSCAN
 End 4189
 Score .76

Seq. No. 23040
 Gene No. 47968
 Start 2278
 Name OJ990825_12.9B22.C4.o1.np
 Start 2684
 GI 6539588
 Exons 2684..2998, 4232..4310
 GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. ID OJ990825_12.9B22.C4
 Strand +
 End 4310
 Method AAT/NAP
 End 4310
 Score 195

Seq. No. 23041
 Gene No. 47969
 Start 591
 Name OJ990825_12.9B22.C5.o1.gp
 Start 591
 GI 549_2.R1084
 Exons 591..843
 GI Descrip. '3355468 1.0e-34 (AC004218) putative ribosomal protein L35 [Arabidopsis thaliana]'

Seq. ID OJ990825_12.9B22.C5
 Strand -
 End 843
 Method AAT/GAP
 End 843
 Score 427

Seq. No. 23041
 Gene No. 47970
 Start 767
 Name OJ990825_12.9B22.C5.o1.np
 Start 767
 GI 6682230
 Exons 767..838, 1009..1042
 GI Descrip. (AC016661) putative 60S ribosomal protein L35 [Arabidopsis thaliana]

Seq. ID OJ990825_12.9B22.C5
 Strand -
 End 1042
 Method AAT/NAP
 End 1042
 Score 76

Seq. No. 23042
 Gene No. 47971
 Start 1611
 Name OJ990825_12.9B22.C6.o2.gs
 Start 1611
 GI none
 Exons 1611..2258, 2439..4511, 4698..5141

Seq. ID OJ990825_12.9B22.C6
 Strand +
 End 7627
 Method GENSCAN
 End 5141
 Score .57

Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47971	Strand	+
Start	1611	End	7627
Name	OJ990825_12.9B22.C6.o2.np	Method	AAT/NAP
Start	1611	End	7591
GI	5922631	Score	6697
Exons	1611..1735, 1994..2239, 2468..2669, 2715..3292, 3335..3486, 3607..4588, 5119..7591		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativ		

Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47971	Strand	+
Start	1611	End	7627
Name	OJ990825_12.9B22.C6.o3.gs	Method	GENSCAN
Start	5303	End	7627
GI	none	Score	.96
Exons	5303..6695, 6846..7010, 7050..7627		

Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47972	Strand	-
Start	106	End	675
Name	OJ990825_12.9B22.C6.o1.np	Method	AAT/NAP
Start	106	End	552
GI	3355468	Score	344
Exons	106..327, 413..552		
GI Descrip.	(AC004218) 60S ribosomal protein L35 [Arabidopsis thaliana]		

Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47972	Strand	-
Start	106	End	675
Name	OJ990825_12.9B22.C6.o1.gp	Method	AAT/GAP
Start	166	End	675
GI	549_2.R1084	Score	615
Exons	166..327, 413..548, 619..675		
GI Descrip.	'3355468 1.0e-34 (AC004218) putative ribosomal protein L35 [Arabidopsis thaliana]'		

Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47972	Strand	-
Start	106	End	675
Name	OJ990825_12.9B22.C6.o1.gs	Method	GENSCAN
Start	171	End	622
GI	none	Score	.97
Exons	171..327, 413..548, 619..622		

Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o1.ts	Method	TBLASTX:Soybean
Start	168	End	550

GI	none	Score	55
Exons	168..326, 169..201, 253..330, 412..549, 413..550		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o2.tm	Method	TBLASTX:Maize
Start	168	End	604
GI	none	Score	150
Exons	168..326, 169..330, 412..549, 413..604		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o6.tw	Method	TBLASTX:Wheat
Start	168	End	550
GI	none	Score	51
Exons	168..245, 169..201, 234..326, 252..326, 412..549, 413..550		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o1.tc	Method	TBLASTX:Cress
Start	171	End	549
GI	none	Score	93
Exons	171..326, 175..330, 412..549, 413..448		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o8.tw	Method	TBLASTX:Wheat
Start	2897	End	3299
GI	none	Score	291
Exons	2897..3166, 2898..3299		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o7.tw	Method	TBLASTX:Wheat
Start	3873	End	4330
GI	none	Score	146
Exons	3873..4049, 4091..4330, 4098..4328		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o7.tm	Method	TBLASTX:Maize
Start	4181	End	4358
GI	none	Score	187
Exons	4181..4327, 4182..4358		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o1.tw	Method	TBLASTX:Wheat
Start	4550	End	5006
GI	none	Score	480

Exons 4550..5005, 4551..5006

Seq. No. 23042
Gene No. 47973
Start 7957
Name OJ990825_12.9B22.C6.o4.ts
Start 4590
GI none
Exons 4590..4814, 4821..4955

Seq. ID OJ990825_12.9B22.C6
Strand -
End 8549
Method TBLASTX:Soybean
End 4955
Score 140

Seq. No. 23042
Gene No. 47973
Start 7957
Name OJ990825_12.9B22.C6.o3.tm
Start 4680
GI none
Exons 4680..5036, 4721..5008

Seq. ID OJ990825_12.9B22.C6
Strand -
End 8549
Method TBLASTX:Maize
End 5036
Score 371

Seq. No. 23042
Gene No. 47973
Start 7957
Name OJ990825_12.9B22.C6.o9.tw
Start 5007
GI none
Exons 5007..5123, 5021..5122, 5120..5248, 5137..5247

Seq. ID OJ990825_12.9B22.C6
Strand -
End 8549
Method TBLASTX:Wheat
End 5248
Score 166

Seq. No. 23042
Gene No. 47973
Start 7957
Name OJ990825_12.9B22.C6.o2.ts
Start 5123
GI none
Exons 5123..5524, 5140..5490

Seq. ID OJ990825_12.9B22.C6
Strand -
End 8549
Method TBLASTX:Soybean
End 5524
Score 288

Seq. No. 23042
Gene No. 47973
Start 7957
Name OJ990825_12.9B22.C6.o4.tm
Start 5191
GI none
Exons 5191..5445, 5192..5446, 5192..5452, 5468..5611, 5480..5599, 5609..5635

Seq. ID OJ990825_12.9B22.C6
Strand -
End 8549
Method TBLASTX:Maize
End 5635
Score 260

Seq. No. 23042
Gene No. 47973
Start 7957
Name OJ990825_12.9B22.C6.o2.tw
Start 5290
GI none
Exons 5290..5478, 5294..5722, 5587..5721

Seq. ID OJ990825_12.9B22.C6
Strand -
End 8549
Method TBLASTX:Wheat
End 5722
Score 412

Seq. No. 23042
Gene No. 47973
Start 7957
Name OJ990825_12.9B22.C6.o3.ts
Start 5750
GI none

Seq. ID OJ990825_12.9B22.C6
Strand -
End 8549
Method TBLASTX:Soybean
End 6138
Score 241

Exons	5750..6136, 5758..5970, 6019..6138		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o5.tw	Method	TBLASTX:Wheat
Start	5759	End	6183
GI	none	Score	391
Exons	5759..6181, 5764..6183		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o6.tm	Method	TBLASTX:Maize
Start	5812	End	6085
GI	none	Score	130
Exons	5812..5982, 5813..5983, 5987..6085, 6019..6084		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o10.tw	Method	TBLASTX:Wheat
Start	6197	End	6496
GI	none	Score	134
Exons	6197..6331, 6200..6340, 6231..6344, 6398..6496		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o1.tm	Method	TBLASTX:Maize
Start	6493	End	6856
GI	none	Score	448
Exons	6493..6804, 6494..6805, 6809..6856		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o3.tw	Method	TBLASTX:Wheat
Start	6499	End	6888
GI	none	Score	411
Exons	6499..6810, 6500..6886, 6701..6886, 6841..6888		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o4.tw	Method	TBLASTX:Wheat
Start	7001	End	7615
GI	none	Score	345
Exons	7001..7492, 7021..7089, 7156..7293, 7484..7615		
Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o5.tm	Method	TBLASTX:Maize
Start	7322	End	7576
GI	none	Score	156
Exons	7322..7495, 7435..7494, 7474..7575, 7475..7576		

Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o4.gs	Method	GENSCAN
Start	7957	End	8408
GI	none	Score	.83
Exons	7957..8408		

Seq. No.	23042	Seq. ID	OJ990825_12.9B22.C6
Gene No.	47973	Strand	-
Start	7957	End	8549
Name	OJ990825_12.9B22.C6.o3.np	Method	AAT/NAP
Start	7960	End	8549
GI	6691716	Score	612
Exons	7960..8408, 8482..8549		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	23043	Seq. ID	OJ990825_12.9B22.C7
Gene No.	47974	Strand	-
Start	1990	End	2205
Name	OJ990825_12.9B22.C7.o1.gs	Method	GENSCAN
Start	1990	End	2205
GI	none	Score	.95
Exons	1990..2205		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47975	Strand	+
Start	94	End	5840
Name	OJ990825_12.9B22.C8.o1.gs	Method	GENSCAN
Start	94	End	5840
GI	none	Score	.45
Exons	94..216, 1346..1405, 1813..1850, 2025..2198, 2329..2418, 3730..4895, 5191..5418, 5634..5840		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47975	Strand	+
Start	94	End	5840
Name	OJ990825_12.9B22.C8.o1.np	Method	AAT/NAP
Start	3723	End	5837
GI	6598412	Score	2322
Exons	3723..5837		
GI Descrip.	(AC004261) unknown protein [Arabidopsis thaliana]		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47976	Strand	+
Start	14010	End	18360
Name	OJ990825_12.9B22.C8.o2.np	Method	AAT/NAP
Start	14010	End	17291
GI	4680203	Score	1871
Exons	14010..15554, 15598..15689, 15843..16073, 16350..17291		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47976	Strand	+

Start	14010	End	18360
Name	OJ990825_12.9B22.C8.o5.gs	Method	GENSCAN
Start	16002	End	18360
GI	none	Score	.45
Exons	16002..17099, 17551..17687, 17730..18360		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47976	Strand	+
Start	14010	End	18360
Name	OJ990825_12.9B22.C8.o1.gp	Method	AAT/GAP
Start	16333	End	16749
GI	5002953	Score	722
Exons	16333..16749		
GI Descrip.	4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47976	Strand	+
Start	14010	End	18360
Name	OJ990825_12.9B22.C8.o2.gp	Method	AAT/GAP
Start	16628	End	17405
GI	5002953	Score	474
Exons	16628..16743, 17223..17405		
GI Descrip.	4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47977	Strand	+
Start	19849	End	29940
Name	OJ990825_12.9B22.C8.o6.gs	Method	GENSCAN
Start	19849	End	29757
GI	none	Score	.46
Exons	19849..20487, 20633..21094, 21175..21717, 21964..22005, 22125..22258, 22338..22596, 23035..23073, 23639..23714, 25436..25515, 25869..25908, 26513..27119, 27331..27616, 29044..29757		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47977	Strand	+
Start	19849	End	29940
Name	OJ990825_12.9B22.C8.o3.gp	Method	AAT/GAP
Start	22414	End	22880
GI	LIB3431-001-P1-N1-B5	Score	605
Exons	22414..22596, 22698..22880		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47977	Strand	+
Start	19849	End	29940
Name	OJ990825_12.9B22.C8.o4.gp	Method	AAT/GAP
Start	23385	End	23796
GI	none	Score	570
Exons	23385..23677, 23715..23796		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47977	Strand	+

Start	19849	End	29940
Name	OJ990825_12.9B22.C8.o3.np	Method	AAT/NAP
Start	26491	End	29721
GI	1237250	Score	1318
Exons	26491..27119, 27331..27616, 29092..29721		
GI Descrip.	(X96784) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47977	Strand	+
Start	19849	End	29940
Name	OJ990825_12.9B22.C8.o6.gp	Method	AAT/GAP
Start	29155	End	29363
GI	2427373	Score	357
Exons	29155..29363		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47977	Strand	+
Start	19849	End	29940
Name	OJ990825_12.9B22.C8.o7.gp	Method	AAT/GAP
Start	29507	End	29940
GI	3761340	Score	759
Exons	29507..29940		
GI Descrip.	1345641/sp P49264 C7B1_THLAR 2.0e-13 CYTOCHROME P450 71B1 (CYPLXXIB1) >gi_402934 (L24438) cytochrome P450 [Thlaspi arvense] >gi_1090224_prf__2018333A cytochrome P450 [Thlaspi arvense]		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47978	Strand	-
Start	9652	End	10432
Name	OJ990825_12.9B22.C8.o2.gs	Method	GENSCAN
Start	9652	End	10432
GI	none	Score	.54
Exons	9652..9672, 10154..10432		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47979	Strand	-
Start	12090	End	12329
Name	OJ990825_12.9B22.C8.o3.gs	Method	GENSCAN
Start	12090	End	12329
GI	none	Score	.86
Exons	12090..12329		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47980	Strand	-
Start	26715	End	27030
Name	OJ990825_12.9B22.C8.o5.gp	Method	AAT/GAP
Start	26715	End	27030
GI	LIB3431-035-P1-K1-A12	Score	536
Exons	26715..27030		
GI Descrip.	'1345641/sp P49264 C7B1_THLAR 2.0e-13 CYTOCHROME P450 71B1 (CYPLXXIB1) >gi_402934 (L24438) cytochrome P450 [Thlaspi arvense] >gi_1090224_prf__2018333A cytochrome P450 [Thlaspi arvense]'		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-

Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o3.tm	Method	TBLASTX:Maize
Start	3971	End	4270
GI	none	Score	461
Exons	3971..4270, 3972..4268, 3979..4269, 3986..4270		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o6.ts	Method	TBLASTX:Soybean
Start	4434	End	4655
GI	none	Score	78
Exons	4434..4517, 4536..4655, 4541..4651		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o8.tm	Method	TBLASTX:Maize
Start	4619	End	4773
GI	none	Score	115
Exons	4619..4771, 4619..4771, 4620..4772, 4620..4772, 4621..4773, 4711..4773		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o1.tm	Method	TBLASTX:Maize
Start	4776	End	5529
GI	none	Score	730
Exons	4776..5255, 4781..5254, 4879..5256, 5254..5517, 5255..5518, 5256..5525, 5256..5528, 5257..5529		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o3.tc	Method	TBLASTX:Cress
Start	4794	End	5264
GI	none	Score	77
Exons	4794..4853, 4799..4867, 4812..5138, 4886..5134, 5202..5264		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o3.ts	Method	TBLASTX:Soybean
Start	5045	End	5252
GI	none	Score	301
Exons	5045..5251, 5046..5252		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o4.ts	Method	TBLASTX:Soybean
Start	5379	End	5593
GI	5752545	Score	145
Exons	5379..5525, 5379..5522, 5380..5529, 5525..5593		
GI Descrip.	3402719 2.0e-34 (AC004261) unknown protein [Arabidopsis thaliana]		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o4.tm	Method	TBLASTX:Maize
Start	5531	End	6159
GI	none	Score	176
Exons	5531..5692, 5534..5632, 5535..5663, 5536..5667, 5667..5831, 5667..5831, 5668..5832, 5684..5833, 5899..5931, 5900..5929, 5912..5959, 5937..5978, 5994..6032, 6003..6050, 6061..6159, 6088..6114		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o6.tc	Method	TBLASTX:Cress
Start	5546	End	5831
GI	none	Score	63
Exons	5546..5602, 5585..5692, 5589..5666, 5593..5667, 5667..5789, 5670..5756, 5684..5761, 5744..5827, 5745..5831		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o5.ts	Method	TBLASTX:Soybean
Start	5621	End	5801
GI	none	Score	64
Exons	5621..5665, 5670..5801, 5679..5786, 5690..5794		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o2.tw	Method	TBLASTX:Wheat
Start	14352	End	15032
GI	none	Score	239
Exons	14352..14753, 14450..14473, 14591..14752, 14781..14903, 14798..14893, 14907..15032, 14969..15031		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o2.ts	Method	TBLASTX:Soybean
Start	14631	End	15050
GI	none	Score	131
Exons	14631..14753, 14633..14752, 14780..15046, 14784..15050		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o2.tc	Method	TBLASTX:Cress
Start	14781	End	15128
GI	none	Score	315
Exons	14781..15128, 14786..14935, 14972..15028, 14982..15086, 15053..15127		

Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-

Start 30967
 Name OJ990825_12.9B22.C8.o7.tm
 Start 14973
 GI none
 Exons 14973..15206, 15222..15353

End 34271
 Method TBLASTX:Maize
 End 15353
 Score 206

Seq. No. 23044
 Gene No. 47981
 Start 30967
 Name OJ990825_12.9B22.C8.o4.tw
 Start 15066
 GI none
 Exons 15066..15176, 15075..15191, 15221..15349, 15222..15353

Seq. ID OJ990825_12.9B22.C8
 Strand -
 End 34271
 Method TBLASTX:Wheat
 End 15353
 Score 152

Seq. No. 23044
 Gene No. 47981
 Start 30967
 Name OJ990825_12.9B22.C8.o5.tw
 Start 15606
 GI none
 Exons 15606..15836, 15635..15835, 15872..15955, 15873..15956

Seq. ID OJ990825_12.9B22.C8
 Strand -
 End 34271
 Method TBLASTX:Wheat
 End 15956
 Score 159

Seq. No. 23044
 Gene No. 47981
 Start 30967
 Name OJ990825_12.9B22.C8.o6.tm
 Start 15863
 GI none
 Exons 15863..16057, 15864..16349, 16193..16336

Seq. ID OJ990825_12.9B22.C8
 Strand -
 End 34271
 Method TBLASTX:Maize
 End 16349
 Score 290

Seq. No. 23044
 Gene No. 47981
 Start 30967
 Name OJ990825_12.9B22.C8.o1.tw
 Start 15960
 GI none
 Exons 15960..16502, 16004..16450, 16521..16682, 16538..16678, 16686..16862, 16721..16861, 16866..16913, 16917..16958, 16920..16958, 16982..17059, 16983..17087, 17088..17180

Seq. ID OJ990825_12.9B22.C8
 Strand -
 End 34271
 Method TBLASTX:Wheat
 End 17180
 Score 490

Seq. No. 23044
 Gene No. 47981
 Start 30967
 Name OJ990825_12.9B22.C8.o4.tc
 Start 16247
 GI none
 Exons 16247..16450, 16251..16502, 16521..16673, 16538..16660

Seq. ID OJ990825_12.9B22.C8
 Strand -
 End 34271
 Method TBLASTX:Cress
 End 16673
 Score 213

Seq. No. 23044
 Gene No. 47981
 Start 30967
 Name OJ990825_12.9B22.C8.o5.tc
 Start 26563
 GI none
 Exons 26563..27069, 26682..26798

Seq. ID OJ990825_12.9B22.C8
 Strand -
 End 34271
 Method TBLASTX:Cress
 End 27069
 Score 280

Seq. No. 23044 Seq. ID OJ990825_12.9B22.C8

Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o5.tm	Method	TBLASTX:Maize
Start	26569	End	26952
GI	none	Score	431
Exons	26569..26952, 26575..26781, 26580..26945		
Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o1.ts	Method	TBLASTX:Soybean
Start	26572	End	29748
GI	none	Score	387
Exons	26572..26982, 26580..26639, 26682..26906, 26986..27078, 27003..27077, 27326..27502, 27328..27438, 27389..27496, 27497..27610, 27523..27612, 29089..29283, 29371..29454, 29373..29429, 29443..29475, 29500..29748, 29502..29747		
Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o6.tw	Method	TBLASTX:Wheat
Start	26587	End	26904
GI	none	Score	180
Exons	26587..26904, 26589..26792		
Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o2.tm	Method	TBLASTX:Maize
Start	27458	End	29748
GI	none	Score	161
Exons	27458..27607, 27461..27610, 29088..29282, 29089..29283, 29371..29439, 29373..29438, 29443..29475, 29500..29748, 29502..29621		
Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o1.tc	Method	TBLASTX:Cress
Start	29092	End	29748
GI	none	Score	155
Exons	29092..29283, 29371..29475, 29488..29748, 29496..29609		
Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o3.tw	Method	TBLASTX:Wheat
Start	29376	End	29658
GI	none	Score	88
Exons	29376..29429, 29377..29439, 29443..29658, 29481..29621		
Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o7.gs	Method	GENSCAN
Start	30967	End	34271

GI	none	Score	.64
Exons	30967..31403, 34118..34271		
Seq. No.	23044	Seq. ID	OJ990825_12.9B22.C8
Gene No.	47981	Strand	-
Start	30967	End	34271
Name	OJ990825_12.9B22.C8.o9.tm	Method	TBLASTX:Maize
Start	32011	End	32787
GI	none	Score	84
Exons	32011..32148, 32011..32112, 32011..32109, 32017..32112,		

32020..32118, 32035..32112, 32158..32268, 32161..32274,
32167..32268, 32185..32280, 32258..32347, 32289..32348,
32304..32492, 32310..32402, 32311..32400, 32337..32489,
32338..32490, 32340..32489, 32354..32494, 32355..32504,
32357..32497, 32376..32504, 32380..32409, 32384..32494,
32386..32505, 32386..32505, 32388..32483, 32393..32515,
32516..32779, 32537..32644, 32539..32649, 32540..32644,
32540..32659, 32545..32622, 32545..32652, 32548..32676,
32552..32677, 32658..32720, 32659..32781, 32660..32785,
32662..32787

Seq. No.	23045	Seq. ID	OJ990825_12.9B22.C9
Gene No.	47982	Strand	+
Start	1	End	103
Name	OJ990825_12.9B22.C9.o1.np	Method	AAT/NAP
Start	1	End	103
GI	4678386	Score	97
Exons	1..103		
GI Descrip.	(AL049656) putative protein [Arabidopsis thaliana]		

Seq. No.	23045	Seq. ID	OJ990825_12.9B22.C9
Gene No.	47983	Strand	+
Start	1354	End	2872
Name	OJ990825_12.9B22.C9.o1.gs	Method	GENSCAN
Start	1354	End	2872
GI	none	Score	.82
Exons	1354..1364, 1803..1836, 2792..2872		

Seq. No.	23045	Seq. ID	OJ990825_12.9B22.C9
Gene No.	47984	Strand	+
Start	6913	End	7003
Name	OJ990825_12.9B22.C9.o1.gp	Method	AAT/GAP
Start	6913	End	7003
GI	61605_3.R1084	Score	153
Exons	6913..7003		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	23045	Seq. ID	OJ990825_12.9B22.C9
Gene No.	47985	Strand	-
Start	5070	End	5431
Name	OJ990825_12.9B22.C9.o2.gs	Method	GENSCAN
Start	5070	End	5431
GI	none	Score	.5
Exons	5070..5210, 5357..5431		

Seq. No.	23046	Seq. ID	OJ990825_12.9B22.C10
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Gene No.	47986	Strand	-
Start	1735	End	3237
Name	OJ990825_12.9B22.C10.o1.gs	Method	GENSCAN
Start	1735	End	3237
GI	none	Score	.55
Exons	1735..1764, 2199..2544, 2618..2733, 2812..3237		

Seq. No.	23046	Seq. ID	OJ990825_12.9B22.C10
Gene No.	47987	Strand	-
Start	4974	End	7805
Name	OJ990825_12.9B22.C10.o1.ts	Method	TBLASTX:Soybean
Start	2340	End	2976
GI	none	Score	127
Exons	2340..2369, 2445..2543, 2620..2697, 2800..2976		

Seq. No.	23046	Seq. ID	OJ990825_12.9B22.C10
Gene No.	47987	Strand	-
Start	4974	End	7805
Name	OJ990825_12.9B22.C10.o1.tc	Method	TBLASTX:Cress
Start	2442	End	3090
GI	none	Score	152
Exons	2442..2540, 2620..2697, 2800..3090		

Seq. No.	23046	Seq. ID	OJ990825_12.9B22.C10
Gene No.	47987	Strand	-
Start	4974	End	7805
Name	OJ990825_12.9B22.C10.o1.tm	Method	TBLASTX:Maize
Start	2442	End	3090
GI	none	Score	46
Exons	2442..2546, 2641..2697, 2650..2700, 2809..2874, 2810..2875, 2875..2973, 2876..2974, 3034..3090		

Seq. No.	23046	Seq. ID	OJ990825_12.9B22.C10
Gene No.	47987	Strand	-
Start	4974	End	7805
Name	OJ990825_12.9B22.C10.o2.gs	Method	GENSCAN
Start	4974	End	7805
GI	none	Score	.59
Exons	4974..5003, 5207..5406, 5922..5955, 6879..7010, 7647..7805		

Seq. No.	23047	Seq. ID	OJ990825_12.9B22.C11
Gene No.	47988	Strand	+
Start	1451	End	6754
Name	OJ990825_12.9B22.C11.o2.gs	Method	GENSCAN
Start	1451	End	6720
GI	none	Score	.72
Exons	1451..1477, 3103..3376, 5062..5207, 5641..5694, 5971..6051, 6129..6174, 6267..6361, 6437..6469, 6586..6720		

Seq. No.	23047	Seq. ID	OJ990825_12.9B22.C11
Gene No.	47988	Strand	+
Start	1451	End	6754
Name	OJ990825_12.9B22.C11.o1.np	Method	AAT/NAP
Start	3836	End	6754
GI	119791	Score	544
Exons	3836..3900, 4960..5207, 5641..5694, 5971..6051, 6129..6174, 6267..6361, 6437..6469, 6586..6754		

GI Descrip. 3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE PRECURSOR
 (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE)
 gi|1084385|pir||S22450 3-oxoacyl-[acyl-carrier-protein]
 reductase (EC 1.1.1.100) precursor - Cuphea lanceolata
 gi|18046|emb|CAA45866| (X64566) 3-oxoacyl-[acyl-carrier protein]
 reductase [Cuphea lanceolata] gi|228929|prf||1814446A beta
 ketoacyl-ACP reductase [Cuphea lanc

Seq. No.	23047	Seq. ID	OJ990825_12.9B22.C11
Gene No.	47989	Strand	-
Start	115	End	381
Name	OJ990825_12.9B22.C11.o1.gs	Method	GENSCAN
Start	115	End	381
GI	none	Score	.88
Exons	115..381		

Seq. No.	23047	Seq. ID	OJ990825_12.9B22.C11
Gene No.	47990	Strand	
Start	5124	End	6735
Name	OJ990825_12.9B22.C11.o1.ts	Method	TBLASTX:Soybean
Start	5124	End	6726
GI	none	Score	129
Exons	5124..5210, 5129..5209, 5638..5700, 5968..6048, 5970..6047, 6117..6176, 6132..6176, 6133..6177, 6263..6361, 6265..6357, 6571..6726, 6573..6725		

Seq. No.	23047	Seq. ID	OJ990825_12.9B22.C11
Gene No.	47990	Strand	
Start	5124	End	6735
Name	OJ990825_12.9B22.C11.o1.tm	Method	TBLASTX:Maize
Start	5129	End	6735
GI	none	Score	130
Exons	5129..5209, 5138..5209, 5148..5252, 5638..5700, 5968..6048, 5970..6044, 6117..6176, 6119..6193, 6249..6368, 6263..6361, 6265..6369, 6265..6369, 6425..6469, 6426..6470, 6433..6480, 6580..6717, 6582..6719, 6585..6716, 6586..6735		

Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47991	Strand	+
Start	1	End	3335
Name	OJ990825_12.9B22.C12.o2.np	Method	AAT/NAP
Start	1	End	3335
GI	6063554	Score	214
Exons	1..98, 1643..1828, 2496..2524, 3162..3335		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47991	Strand	+
Start	1	End	3335
Name	OJ990825_12.9B22.C12.o2.gp	Method	AAT/GAP
Start	560	End	941
GI	uC-osflcyp033a04b1	Score	679
Exons	560..941		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47991	Strand	+
Start	1	End	3335
Name	OJ990825_12.9B22.C12.o1.gs	Method	GENSCAN
Start	738	End	2608
GI	none	Score	.69
Exons	738..813, 1678..1838, 1892..1985, 2496..2608		

Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47992	Strand	+
Start	4066	End	10023
Name	OJ990825_12.9B22.C12.o3.np	Method	AAT/NAP
Start	4066	End	10023
GI	5852180	Score	527
Exons	4066..4119, 5120..5237, 5289..5679, 9986..10023		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47992	Strand	+
Start	4066	End	10023
Name	OJ990825_12.9B22.C12.o3.gs	Method	GENSCAN
Start	5355	End	9721
GI	none	Score	.68
Exons	5355..5814, 6334..6478, 6483..6651, 7826..8026, 8330..8749, 8834..9029, 9223..9564, 9642..9721		

Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47992	Strand	+
Start	4066	End	10023
Name	OJ990825_12.9B22.C12.o5.np	Method	AAT/NAP
Start	7865	End	10023
GI	6691716	Score	1925
Exons	7865..8739, 8927..9123, 9206..9312, 9389..9564, 9642..9829, 9904..10023		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47993	Strand	-
Start	493	End	10023
Name	OJ990825_12.9B22.C12.o1.np	Method	AAT/NAP
Start	493	End	5531
GI	4680186	Score	388
Exons	493..693, 1529..1585, 5493..5531		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47993	Strand	-
Start	493	End	10023
Name	OJ990825_12.9B22.C12.o2.gs	Method	GENSCAN
Start	3223	End	4171
GI	none	Score	.4
Exons	3223..3254, 3392..3529, 4096..4171		

Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
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Gene No.	47993	Strand	-
Start	493	End	10023
Name	OJ990825_12.9B22.C12.o4.np	Method	AAT/NAP
Start	3658	End	10023
GI	4539386	Score	129
Exons	3658..3680, 5151..5649, 5920..6119, 9981..10023		
GI Descrip.	(AL035526) extensin-like protein [Arabidopsis thaliana]		
Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47993	Strand	-
Start	493	End	10023
Name	OJ990825_12.9B22.C12.o3.gp	Method	AAT/GAP
Start	3968	End	4372
GI	uC-osflcyp033a04b1	Score	664
Exons	3968..4235, 4259..4372		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	23048	Seq. ID	OJ990825_12.9B22.C12
Gene No.	47993	Strand	-
Start	493	End	10023
Name	OJ990825_12.9B22.C12.o1.tw	Method	TBLASTX:Wheat
Start	7985	End	8275
GI	none	Score	200
Exons	7985..8275		
Seq. No.	23049	Seq. ID	OJ990825_12.9B22.C13
Gene No.	47994	Strand	+
Start	1	End	3268
Name	OJ990825_12.9B22.C13.o1.np	Method	AAT/NAP
Start	1	End	2308
GI	5852175	Score	108
Exons	1..99, 537..639, 1257..1289, 2261..2308		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	23049	Seq. ID	OJ990825_12.9B22.C13
Gene No.	47994	Strand	+
Start	1	End	3268
Name	OJ990825_12.9B22.C13.o1.gs	Method	GENSCAN
Start	716	End	3197
GI	none	Score	.71
Exons	716..800, 1257..1289, 1536..1684, 1969..2692, 2756..2901, 3165..3197		
Seq. No.	23049	Seq. ID	OJ990825_12.9B22.C13
Gene No.	47994	Strand	+
Start	1	End	3268
Name	OJ990825_12.9B22.C13.o1.gp	Method	AAT/GAP
Start	1150	End	1424
GI	61605_1.R1084	Score	473
Exons	1150..1424		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	23049	Seq. ID	OJ990825_12.9B22.C13
Gene No.	47994	Strand	+
Start	1	End	3268

Name	OJ990825_12.9B22.C13.o2.np	Method	AAT/NAP
Start	1903	End	3268
GI	4680179	Score	729
Exons	1903..2971, 3235..3268		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23049	Seq. ID	OJ990825_12.9B22.C13
Gene No.	47994	Strand	+
Start	1	End	3268
Name	OJ990825_12.9B22.C13.o1.tw	Method	TBLASTX:Wheat
Start	2131	End	2487
GI	none	Score	281
Exons	2131..2487, 2139..2309, 2346..2423		

Seq. No.	23049	Seq. ID	OJ990825_12.9B22.C13
Gene No.	47994	Strand	+
Start	1	End	3268
Name	OJ990825_12.9B22.C13.o1.tm	Method	TBLASTX:Maize
Start	2368	End	2631
GI	none	Score	197
Exons	2368..2631		

Seq. No.	23050	Seq. ID	OJ990825_12.9B22.C14
Gene No.	47995	Strand	+
Start	948	End	1421
Name	OJ990825_12.9B22.C14.o1.gs	Method	GENSCAN
Start	948	End	1421
GI	none	Score	.79
Exons	948..1200, 1254..1421		

Seq. No.	23051	Seq. ID	OJ990505_09.9B19.C3
Gene No.	47996	Strand	-
Start	1011	End	1258
Name	OJ990505_09.9B19.C3.o1.np	Method	AAT/NAP
Start	1011	End	1258
GI	2914695	Score	135
Exons	1011..1258		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	23052	Seq. ID	OJ990505_09.9B19.C4
Gene No.	47997	Strand	+
Start	1	End	825
Name	OJ990505_09.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	825
GI	6907104	Score	92
Exons	1..41, 217..339, 424..581, 810..825		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23052	Seq. ID	OJ990505_09.9B19.C4
Gene No.	47997	Strand	+
Start	1	End	825
Name	OJ990505_09.9B19.C4.o1.gs	Method	GENSCAN
Start	308	End	773
GI	none	Score	.61
Exons	308..335, 420..773		

Seq. No. 23053
 Gene No. 47998
 Start 166
 Name OJ990505_09.9B19.C5.o1.gs
 Start 166
 GI none
 Exons 166..549

Seq. ID OJ990505_09.9B19.C5
 Strand +
 End 549
 Method GENSCAN
 End 549
 Score .74

Seq. No. 23054
 Gene No. 47999
 Start 414
 Name OJ990505_09.9B19.C8.o1.gs
 Start 414
 GI none
 Exons 414..515

Seq. ID OJ990505_09.9B19.C8
 Strand -
 End 515
 Method GENSCAN
 End 515
 Score .92

Seq. No. 23055
 Gene No. 48000
 Start 92
 Name OJ990505_09.9B19.C9.o1.gs
 Start 92
 GI none
 Exons 92..224, 319..534, 1237..1335

Seq. ID OJ990505_09.9B19.C9
 Strand +
 End 1335
 Method GENSCAN
 End 1335
 Score .9

Seq. No. 23055
 Gene No. 48000
 Start 92
 Name OJ990505_09.9B19.C9.o1.gp
 Start 831
 GI none
 Exons 831..1003

Seq. ID OJ990505_09.9B19.C9
 Strand +
 End 1335
 Method AAT/GAP
 End 1003
 Score 205

Seq. No. 23055
 Gene No. 48000
 Start 92
 Name OJ990505_09.9B19.C9.o2.gp
 Start 947
 GI none
 Exons 947..1137

Seq. ID OJ990505_09.9B19.C9
 Strand +
 End 1335
 Method AAT/GAP
 End 1137
 Score 297

Seq. No. 23056
 Gene No. 48001
 Start 409
 Name OJ990505_09.9B19.C10.o1.gs
 Start 409
 GI none
 Exons 409..479, 512..542

Seq. ID OJ990505_09.9B19.C10
 Strand -
 End 542
 Method GENSCAN
 End 542
 Score .49

Seq. No. 23057
 Gene No. 48002
 Start 269
 Name OJ990505_09.9B19.C11.o1.gs
 Start 269
 GI none
 Exons 269..604

Seq. ID OJ990505_09.9B19.C11
 Strand -
 End 767
 Method GENSCAN
 End 604
 Score .44

Seq. No. 23057

Seq. ID OJ990505_09.9B19.C11

Gene No.	48002	Strand	-
Start	269	End	767
Name	OJ990505_09.9B19.C11.o1.tm	Method	TBLASTX:Maize
Start	290	End	767
GI	none	Score	95
Exons	290..448, 291..446, 449..514, 450..500, 502..585, 507..551, 644..751, 663..767, 664..732		

Seq. No.	23058	Seq. ID	OJ990505_09.9B19.C12
Gene No.	48003	Strand	-
Start	158	End	840
Name	OJ990505_09.9B19.C12.o1.gs	Method	GENSCAN
Start	158	End	606
GI	none	Score	.56
Exons	158..215, 297..606		

Seq. No.	23058	Seq. ID	OJ990505_09.9B19.C12
Gene No.	48003	Strand	-
Start	158	End	840
Name	OJ990505_09.9B19.C12.o1.gp	Method	AAT/GAP
Start	489	End	840
GI	none	Score	650
Exons	489..840		

Seq. No.	23059	Seq. ID	OJ990505_09.9B19.C13
Gene No.	48004	Strand	+
Start	159	End	292
Name	OJ990505_09.9B19.C13.o1.gs	Method	GENSCAN
Start	159	End	292
GI	none	Score	.83
Exons	159..292		

Seq. No.	23059	Seq. ID	OJ990505_09.9B19.C13
Gene No.	48005	Strand	-
Start	666	End	1332
Name	OJ990505_09.9B19.C13.o1.gp	Method	AAT/GAP
Start	395	End	705
GI	427437	Score	593
Exons	395..705		

Seq. No.	23059	Seq. ID	OJ990505_09.9B19.C13
Gene No.	48005	Strand	-
Start	666	End	1332
Name	OJ990505_09.9B19.C13.o2.gs	Method	GENSCAN
Start	666	End	897
GI	none	Score	.97
Exons	666..897		

Seq. No.	23059	Seq. ID	OJ990505_09.9B19.C13
Gene No.	48005	Strand	-
Start	666	End	1332
Name	OJ990505_09.9B19.C13.o1.np	Method	AAT/NAP
Start	675	End	1332
GI	2914695	Score	88
Exons	675..890, 1291..1332		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48006	Strand	+
Start	281	End	9745
Name	OJ990505_09.9B19.C15.o1.gs	Method	GENSCAN
Start	281	End	1311
GI	none	Score	.91
Exons	281..532, 1011..1311		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48006	Strand	+
Start	281	End	9745
Name	OJ990505_09.9B19.C15.o1.np	Method	AAT/NAP
Start	319	End	8793
GI	3292814	Score	788
Exons	319..531, 2376..2467, 2595..2691, 3459..3572, 3900..3997, 5379..5455, 5644..5695, 8360..8470, 8545..8642, 8727..8793		
GI Descrip.	(AL031018) putative protein [Arabidopsis thaliana]		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48006	Strand	+
Start	281	End	9745
Name	OJ990505_09.9B19.C15.o1.gp	Method	AAT/GAP
Start	1998	End	2642
GI	24884_1.R1084	Score	951
Exons	1998..2467, 2595..2642		
GI Descrip.	'3292814/emb CAA19804.1 7.0e-17 (AL031018) putative protein [Arabidopsis thaliana]'		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48006	Strand	+
Start	281	End	9745
Name	OJ990505_09.9B19.C15.o2.gs	Method	GENSCAN
Start	2141	End	2632
GI	none	Score	.77
Exons	2141..2632		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48006	Strand	+
Start	281	End	9745
Name	OJ990505_09.9B19.C15.o2.gp	Method	AAT/GAP
Start	5656	End	9745
GI	1588_1.R1084	Score	1022
Exons	5656..5695, 8360..8470, 8545..8642, 8727..8811, 9499..9745		
GI Descrip.	'3292814/emb CAA19804.1 7.0e-42 (AL031018) putative protein [Arabidopsis thaliana]'		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48007	Strand	-
Start	4913	End	5140
Name	OJ990505_09.9B19.C15.o3.gs	Method	GENSCAN
Start	4913	End	5140
GI	none	Score	.98
Exons	4913..5140		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48008	Strand	-

Start	10381	End	11097
Name	OJ990505_09.9B19.C15.o1.tc	Method	TBLASTX:Cress
Start	2375	End	8796
GI	none	Score	140
Exons	2375..2410, 2381..2470, 2392..2466, 2538..2693, 2586..2714, 2623..2709, 3456..3563, 3464..3562, 3937..4017, 3944..4018, 5361..5456, 5378..5455, 5627..5695, 8347..8478, 8351..8470, 8542..8649, 8544..8657, 8569..8649, 8724..8780, 8725..8796, 8743..8793		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48008	Strand	-
Start	10381	End	11097
Name	OJ990505_09.9B19.C15.o2.ts	Method	TBLASTX:Soybean
Start	2381	End	5456
GI	none	Score	130
Exons	2381..2470, 2392..2469, 2586..2714, 2589..2714, 2601..2684, 2623..2715, 3455..3538, 3456..3539, 3462..3548, 3464..3562, 3916..4017, 3944..4018, 5376..5456, 5376..5435, 5378..5440		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48008	Strand	-
Start	10381	End	11097
Name	OJ990505_09.9B19.C15.o1.tm	Method	TBLASTX:Maize
Start	2384	End	8804
GI	none	Score	135
Exons	2384..2470, 2392..2472, 2586..2696, 2589..2690, 3463..3522, 3464..3559, 3464..3556, 3465..3557, 3937..4017, 3938..4018, 3938..4018, 5376..5456, 5376..5453, 5378..5458, 5644..5694, 8351..8470, 8359..8469, 8544..8648, 8544..8654, 8569..8658, 8724..8792, 8725..8793, 8725..8793, 8739..8804		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48008	Strand	-
Start	10381	End	11097
Name	OJ990505_09.9B19.C15.o1.ts	Method	TBLASTX:Soybean
Start	8359	End	8805
GI	none	Score	162
Exons	8359..8478, 8360..8470, 8362..8493, 8542..8649, 8544..8648, 8544..8657, 8569..8649, 8724..8795, 8725..8805		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48008	Strand	-
Start	10381	End	11097
Name	OJ990505_09.9B19.C15.o4.gs	Method	GENSCAN
Start	10381	End	11097
GI	none	Score	.5
Exons	10381..10532, 10746..11097		

Seq. No.	23060	Seq. ID	OJ990505_09.9B19.C15
Gene No.	48008	Strand	-
Start	10381	End	11097
Name	OJ990505_09.9B19.C15.o1.tw	Method	TBLASTX:Wheat
Start	10498	End	10899
GI	none	Score	62
Exons	10498..10599, 10598..10795, 10807..10899		

Seq. No.	23061	Seq. ID	OJ990505_09.9B19.C16
Gene No.	48009	Strand	-
Start	652	End	1721
Name	OJ990505_09.9B19.C16.o1.np	Method	AAT/NAP
Start	600	End	782
GI	6642645	Score	159
Exons	600..782		
GI Descrip.	(AC012395) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	23061	Seq. ID	OJ990505_09.9B19.C16
Gene No.	48009	Strand	-
Start	652	End	1721
Name	OJ990505_09.9B19.C16.o1.tc	Method	TBLASTX:Cress
Start	606	End	788
GI	none	Score	45
Exons	606..788, 607..666, 651..788		

Seq. No.	23061	Seq. ID	OJ990505_09.9B19.C16
Gene No.	48009	Strand	-
Start	652	End	1721
Name	OJ990505_09.9B19.C16.o1.ts	Method	TBLASTX:Soybean
Start	606	End	795
GI	none	Score	67
Exons	606..788, 610..729, 757..795		

Seq. No.	23061	Seq. ID	OJ990505_09.9B19.C16
Gene No.	48009	Strand	-
Start	652	End	1721
Name	OJ990505_09.9B19.C16.o1.tm	Method	TBLASTX:Maize
Start	609	End	815
GI	none	Score	146
Exons	609..815, 610..789		

Seq. No.	23061	Seq. ID	OJ990505_09.9B19.C16
Gene No.	48009	Strand	-
Start	652	End	1721
Name	OJ990505_09.9B19.C16.o1.gs	Method	GENSCAN
Start	652	End	1721
GI	none	Score	.69
Exons	652..833, 1359..1428, 1518..1721		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48010	Strand	+
Start	83	End	9708
Name	OJ990505_09.9B19.C17.o1.gs	Method	GENSCAN
Start	83	End	9708
GI	none	Score	.78
Exons	83..277, 1712..2072, 3367..3514, 4297..4673, 7818..8051, 8265..8306, 9113..9708		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48011	Strand	+
Start	10630	End	14770
Name	OJ990505_09.9B19.C17.o2.gp	Method	AAT/GAP
Start	10163	End	10396
GI	3106595	Score	422

Exons 10163..10396

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48011	Strand	+
Start	10630	End	14770
Name	OJ990505_09.9B19.C17.o2.gs	Method	GENSCAN
Start	10630	End	14758
GI	none	Score	.9
Exons	10630..11503, 12045..12834, 13616..13705, 14012..14088, 14173..14376, 14439..14758		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48011	Strand	+
Start	10630	End	14770
Name	OJ990505_09.9B19.C17.o1.np	Method	AAT/NAP
Start	14173	End	14770
GI	6907104	Score	143
Exons	14173..14338, 14388..14770		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48012	Strand	+
Start	20538	End	26917
Name	OJ990505_09.9B19.C17.o4.gs	Method	GENSCAN
Start	20538	End	26917
GI	none	Score	.56
Exons	20538..20631, 20828..20904, 21145..21215, 21822..21876, 22500..22561, 22646..22727, 23590..23676, 24137..24211, 24286..24360, 24672..24791, 24901..25079, 25981..26124, 26791..26917		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48012	Strand	+
Start	20538	End	26917
Name	OJ990505_09.9B19.C17.o2.np	Method	AAT/NAP
Start	24697	End	24954
GI	4220483	Score	47
Exons	24697..24791, 24901..24954		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48012	Strand	+
Start	20538	End	26917
Name	OJ990505_09.9B19.C17.o3.np	Method	AAT/NAP
Start	25489	End	26914
GI	5852084	Score	66
Exons	25489..25525, 26825..26914		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48013	Strand	-
Start	488	End	948
Name	OJ990505_09.9B19.C17.o1.gp	Method	AAT/GAP
Start	488	End	948
GI	none	Score	880
Exons	488..948		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48014	Strand	-
Start	17909	End	19037
Name	OJ990505_09.9B19.C17.o3.gs	Method	GENSCAN
Start	17909	End	19037
GI	none	Score	.7
Exons	17909..18123, 18866..19037		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48015	Strand	-
Start	32861	End	32941
Name	OJ990505_09.9B19.C17.o4.gp	Method	AAT/GAP
Start	32861	End	32941
GI	38012_1.R1084	Score	101
Exons	32861..32941		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48016	Strand	-
Start	33206	End	35732
Name	OJ990505_09.9B19.C17.o2.tm	Method	TBLASTX:Maize
Start	2	End	295
GI	none	Score	56
Exons	2..58, 3..32, 41..82, 131..286, 140..196, 188..295		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48016	Strand	-
Start	33206	End	35732
Name	OJ990505_09.9B19.C17.o1.tw	Method	TBLASTX:Wheat
Start	140	End	328
GI	none	Score	53
Exons	140..187, 141..188, 200..328, 201..278		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48016	Strand	-
Start	33206	End	35732
Name	OJ990505_09.9B19.C17.o1.tc	Method	TBLASTX:Cress
Start	20529	End	25074
GI	none	Score	107
Exons	20529..20633, 20538..20633, 20788..20907, 23445..23525, 24672..24791, 24683..24778, 24898..25074, 24900..25067		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48016	Strand	-
Start	33206	End	35732
Name	OJ990505_09.9B19.C17.o1.tm	Method	TBLASTX:Maize
Start	20529	End	25079
GI	none	Score	110
Exons	20529..20651, 20842..20907, 23445..23525, 23598..23678, 24107..24205, 24292..24360, 24672..24791, 24683..24772, 24812..24832, 24898..25074, 24900..25079		

Seq. No.	23062	Seq. ID	OJ990505_09.9B19.C17
Gene No.	48016	Strand	-
Start	33206	End	35732
Name	OJ990505_09.9B19.C17.o7.gs	Method	GENSCAN

Start	33206	End	35732
GI	none	Score	.65
Exons	33206..33408, 34689..34745, 35633..35732		

Seq. No.	23063	Seq. ID	OJ990505_09.9B19.C18
Gene No.	48017	Strand	+
Start	1322	End	1499
Name	OJ990505_09.9B19.C18.o1.gp	Method	AAT/GAP
Start	1322	End	1499
GI	none	Score	276
Exons	1322..1499		

Seq. No.	23063	Seq. ID	OJ990505_09.9B19.C18
Gene No.	48018	Strand	-
Start	234	End	2988
Name	OJ990505_09.9B19.C18.o1.gs	Method	GENSCAN
Start	234	End	2988
GI	none	Score	.95
Exons	234..513, 1514..1702, 2180..2988		

Seq. No.	23064	Seq. ID	OJ990505_09.9B19.C20
Gene No.	48019	Strand	-
Start	372	End	1895
Name	OJ990505_09.9B19.C20.o1.gs	Method	GENSCAN
Start	372	End	1895
GI	none	Score	.91
Exons	372..1237, 1784..1895		

Seq. No.	23065	Seq. ID	OJ990505_09.9B19.C21
Gene No.	48020	Strand	-
Start	134	End	312
Name	OJ990505_09.9B19.C21.o1.np	Method	AAT/NAP
Start	134	End	312
GI	5852084	Score	83
Exons	134..312		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	23066	Seq. ID	OJ990505_09.9B19.C24
Gene No.	48021	Strand	+
Start	145	End	936
Name	OJ990505_09.9B19.C24.o1.gs	Method	GENSCAN
Start	145	End	936
GI	none	Score	.96
Exons	145..469, 578..663, 829..936		

Seq. No.	23067	Seq. ID	OJ990505_09.9B19.C25
Gene No.	48022	Strand	+
Start	2236	End	5291
Name	OJ990505_09.9B19.C25.o1.gs	Method	GENSCAN
Start	2236	End	5291
GI	none	Score	.88
Exons	2236..2395, 2424..2553, 2653..2855, 3100..3164, 3430..3498, 3608..4089, 4186..4394, 4639..4703, 4814..4897, 4972..5040, 5148..5291		

Seq. No.	23067	Seq. ID	OJ990505_09.9B19.C25
Gene No.	48023	Strand	-

Start	6396	End	10004
Name	OJ990505_09.9B19.C25.o1.np	Method	AAT/NAP
Start	6355	End	10004
GI	2914695	Score	186
Exons	6355..6381, 9088..9636, 9958..10004		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	23067	Seq. ID	OJ990505_09.9B19.C25
Gene No.	48023	Strand	-
Start	6396	End	10004
Name	OJ990505_09.9B19.C25.o2.gs	Method	GENSCAN
Start	6396	End	9906
GI	none	Score	.65
Exons	6396..6627, 7733..8402, 8901..9906		

Seq. No.	23067	Seq. ID	OJ990505_09.9B19.C25
Gene No.	48023	Strand	-
Start	6396	End	10004
Name	OJ990505_09.9B19.C25.o2.np	Method	AAT/NAP
Start	9090	End	10004
GI	2914695	Score	188
Exons	9090..9636, 9958..10004		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48024	Strand	+
Start	3763	End	5072
Name	OJ990505_09.9B19.C26.o3.gs	Method	GENSCAN
Start	3763	End	5072
GI	none	Score	.83
Exons	3763..3810, 4324..4396, 4541..4679, 4841..4886, 4899..5072		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48025	Strand	-
Start	306	End	524
Name	OJ990505_09.9B19.C26.o1.gs	Method	GENSCAN
Start	306	End	524
GI	none	Score	.51
Exons	306..524		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48026	Strand	-
Start	1447	End	4974
Name	OJ990505_09.9B19.C26.o2.gs	Method	GENSCAN
Start	1447	End	2591
GI	none	Score	.66
Exons	1447..1791, 1959..2591		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48026	Strand	-
Start	1447	End	4974
Name	OJ990505_09.9B19.C26.o1.np	Method	AAT/NAP
Start	1467	End	4974
GI	6587835	Score	709
Exons	1467..2603, 4495..4738, 4852..4974		

GI Descrip. (AC006551) Similar to peptide transporter [Arabidopsis thaliana]

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48027	Strand	-
Start	6981	End	11736
Name	OJ990505_09.9B19.C26.o1.tw	Method	TBLASTX:Wheat
Start	1464	End	1798
GI	none	Score	103
Exons	1464..1568, 1566..1796, 1567..1791, 1570..1797, 1643..1798		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48027	Strand	-
Start	6981	End	11736
Name	OJ990505_09.9B19.C26.o1.tm	Method	TBLASTX:Maize
Start	1476	End	4933
GI	none	Score	81
Exons	1476..1574, 1477..1587, 1570..1611, 1570..1611, 2217..2303, 2277..2528, 2278..2526, 4531..4569, 4534..4578, 4585..4653, 4590..4658, 4641..4745, 4642..4746, 4841..4933, 4857..4931		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48027	Strand	-
Start	6981	End	11736
Name	OJ990505_09.9B19.C26.o1.tc	Method	TBLASTX:Cress
Start	1479	End	1818
GI	none	Score	170
Exons	1479..1592, 1573..1818		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48027	Strand	-
Start	6981	End	11736
Name	OJ990505_09.9B19.C26.o1.ts	Method	TBLASTX:Soybean
Start	1479	End	2141
GI	none	Score	41
Exons	1479..1577, 1480..1569, 1609..1818, 1655..1819, 1905..2039, 2016..2141		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48027	Strand	-
Start	6981	End	11736
Name	OJ990505_09.9B19.C26.o2.tm	Method	TBLASTX:Maize
Start	1743	End	2088
GI	none	Score	161
Exons	1743..1787, 1905..2039, 1906..2040, 2014..2088, 2040..2087		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48027	Strand	-
Start	6981	End	11736
Name	OJ990505_09.9B19.C26.o2.tc	Method	TBLASTX:Cress
Start	1905	End	4715
GI	none	Score	111
Exons	1905..2150, 1912..2136, 2217..2303, 2277..2516, 2293..2490, 4590..4658, 4641..4715		

Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48027	Strand	-
Start	6981	End	11736

Name	OJ990505_09.9B19.C26.o4.gs	Method	GENSCAN
Start	6981	End	11736
GI	none	Score	.79
Exons	6981..7212, 8642..9566, 10109..11341, 11568..11736		
Seq. No.	23068	Seq. ID	OJ990505_09.9B19.C26
Gene No.	48027	Strand	-
Start	6981	End	11736
Name	OJ990505_09.9B19.C26.o2.np	Method	AAT/NAP
Start	6987	End	8811
GI	5454156	Score	72
Exons	6987..7212, 8630..8811		
GI Descrip.	ubiquitin specific protease 16 gi 6686071 sp Q9Y5T5 UBPG_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 16 (UBIQUITIN THIOLESTERASE 16) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 16) (DEUBIQUITINATING ENZYME 16) (UBIQUITIN PROCESSING PROTEASE UBP-M) gi 4454565 gb AAD20949 (AF126736) ubiquitin processing protease [Homo sapiens]		
Seq. No.	23069	Seq. ID	OJ990505_09.9B19.C27
Gene No.	48028	Strand	-
Start	761	End	2107
Name	OJ990505_09.9B19.C27.o1.gs	Method	GENSCAN
Start	761	End	2107
GI	none	Score	.77
Exons	761..1404, 1967..2107		
Seq. No.	23069	Seq. ID	OJ990505_09.9B19.C27
Gene No.	48028	Strand	-
Start	761	End	2107
Name	OJ990505_09.9B19.C27.o1.gp	Method	AAT/GAP
Start	1655	End	1889
GI	3106595	Score	447
Exons	1655..1889		
Seq. No.	23070	Seq. ID	OJ990505_09.9B19.C30
Gene No.	48029	Strand	-
Start	14	End	226
Name	OJ990505_09.9B19.C30.o1.gs	Method	GENSCAN
Start	14	End	226
GI	none	Score	.93
Exons	14..226		
Seq. No.	23071	Seq. ID	OJ990505_09.9B19.C31
Gene No.	48030	Strand	-
Start	796	End	1037
Name	OJ990505_09.9B19.C31.o1.gs	Method	GENSCAN
Start	796	End	1037
GI	none	Score	.72
Exons	796..821, 983..1037		
Seq. No.	23072	Seq. ID	OJ990505_09.9B19.C32
Gene No.	48031	Strand	+
Start	163	End	1690
Name	OJ990505_09.9B19.C32.o1.gs	Method	GENSCAN
Start	163	End	1690
GI	none	Score	.77

Exons 163..349, 497..994, 1190..1276, 1493..1690

Seq. No.	23072	Seq. ID	OJ990505_09.9B19.C32
Gene No.	48031	Strand	+
Start	163	End	1690
Name	OJ990505_09.9B19.C32.o2.np	Method	AAT/NAP
Start	1386	End	1522
GI	5454156	Score	30
Exons	1386..1522		
GI Descrip.	ubiquitin specific protease 16 gi 6686071 sp Q9Y5T5 UBPG_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 16 (UBIQUITIN THIOLESTERASE 16) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 16) (DEUBIQUITINATING ENZYME 16) (UBIQUITIN PROCESSING PROTEASE UBP-M) gi 4454565 gb AAD20949 (AF126736) ubiquitin processing protease [Homo sapiens]		

Seq. No.	23073	Seq. ID	OJ990505_09.9B19.C34
Gene No.	48032	Strand	-
Start	947	End	1965
Name	OJ990505_09.9B19.C34.o1.gp	Method	AAT/GAP
Start	947	End	1965
GI	1588_1.R1084	Score	579
Exons	947..1193, 1881..1965		
GI Descrip.	'3292814/emb CAA19804.1 7.0e-42 (AL031018) putative protein [Arabidopsis thaliana]'		

Seq. No.	23074	Seq. ID	OJ990505_09.9B19.C35
Gene No.	48033	Strand	-
Start	36	End	2166
Name	OJ990505_09.9B19.C35.o1.gs	Method	GENSCAN
Start	36	End	2166
GI	none	Score	.54
Exons	36..65, 612..2166		

Seq. No.	23075	Seq. ID	OJ990505_09.9B19.C36
Gene No.	48034	Strand	-
Start	1561	End	1799
Name	OJ990505_09.9B19.C36.o1.np	Method	AAT/NAP
Start	1561	End	1799
GI	2914695	Score	118
Exons	1561..1799		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	23076	Seq. ID	OJ990505_09.9B19.C37
Gene No.	48035	Strand	+
Start	417	End	561
Name	OJ990505_09.9B19.C37.o1.gs	Method	GENSCAN
Start	417	End	561
GI	none	Score	.89
Exons	417..561		

Seq. No.	23077	Seq. ID	OJ990505_09.9B19.C38
Gene No.	48036	Strand	+
Start	1	End	338
Name	OJ990505_09.9B19.C38.o1.np	Method	AAT/NAP
Start	1	End	335

GI	2832675	Score	206
Exons	1..98, 159..335		
GI Descrip.	(AL021712) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23077	Seq. ID	OJ990505_09.9B19.C38
Gene No.	48036	Strand	+
Start	1	End	338
Name	OJ990505_09.9B19.C38.o1.gs	Method	GENSCAN
Start	24	End	338
GI	none	Score	1
Exons	24..338		
Seq. No.	23077	Seq. ID	OJ990505_09.9B19.C38
Gene No.	48036	Strand	+
Start	1	End	338
Name	OJ990505_09.9B19.C38.o1.ts	Method	TBLASTX:Soybean
Start	188	End	337
GI	none	Score	224
Exons	188..337, 189..335		
Seq. No.	23078	Seq. ID	OJ990505_09.9B19.C42
Gene No.	48037	Strand	-
Start	200	End	1757
Name	OJ990505_09.9B19.C42.o1.gs	Method	GENSCAN
Start	200	End	1757
GI	none	Score	.65
Exons	200..1757		
Seq. No.	23079	Seq. ID	OJ990505_09.9B19.C43
Gene No.	48038	Strand	-
Start	427	End	2661
Name	OJ990505_09.9B19.C43.o1.gs	Method	GENSCAN
Start	427	End	2571
GI	none	Score	.98
Exons	427..658, 1919..2571		
Seq. No.	23079	Seq. ID	OJ990505_09.9B19.C43
Gene No.	48038	Strand	-
Start	427	End	2661
Name	OJ990505_09.9B19.C43.o1.np	Method	AAT/NAP
Start	436	End	2661
GI	2914695	Score	171
Exons	436..651, 1912..2056, 2597..2661		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		
Seq. No.	23080	Seq. ID	OJ990505_09.9B19.C44
Gene No.	48039	Strand	-
Start	178	End	1241
Name	OJ990505_09.9B19.C44.o1.gs	Method	GENSCAN
Start	178	End	1241
GI	none	Score	.76
Exons	178..675, 857..1241		
Seq. No.	23081	Seq. ID	OJ990505_09.9B19.C45
Gene No.	48040	Strand	-
Start	473	End	751

Name OJ990505_09.9B19.C45.o1.gs
 Start 473
 GI none
 Exons 473..751

Method GENSCAN
 End 751
 Score .43

Seq. No. 23082
 Gene No. 48041
 Start 77
 Name OJ990505_09.9B19.C48.o1.np
 Start 77
 GI 732362
 Exons 77..450

Seq. ID OJ990505_09.9B19.C48
 Strand -
 End 450
 Method AAT/NAP
 End 450
 Score 276

GI Descrip. PROBABLE ALDEHYDE DEHYDROGENASE YWDH gi|629065|pir||S39713
 hypothetical protein - Bacillus subtilis gi|413982|emb|CAA51614|
 (X73124) ipa-58r [Bacillus subtilis] gi|2636331|emb|CAB15822|
 (Z99123) alternate gene name: ipa-58r; similar to aldehyde
 dehydrogenase [Bacillus subtilis]

Seq. No. 23082
 Gene No. 48041
 Start 77
 Name OJ990505_09.9B19.C48.o1.ts
 Start 83
 GI none
 Exons 83..142, 158..448, 177..365

Seq. ID OJ990505_09.9B19.C48
 Strand -
 End 450
 Method TBLASTX:Soybean
 End 448
 Score 114

Seq. No. 23082
 Gene No. 48041
 Start 77
 Name OJ990505_09.9B19.C48.o1.tm
 Start 152
 GI none
 Exons 152..445, 192..446

Seq. ID OJ990505_09.9B19.C48
 Strand -
 End 450
 Method TBLASTX:Maize
 End 446
 Score 112

Seq. No. 23082
 Gene No. 48041
 Start 77
 Name OJ990505_09.9B19.C48.o1.tc
 Start 158
 GI none
 Exons 158..448, 162..245

Seq. ID OJ990505_09.9B19.C48
 Strand -
 End 450
 Method TBLASTX:Cress
 End 448
 Score 60

Seq. No. 23083
 Gene No. 48042
 Start 91
 Name OJ990505_09.9B19.C49.o1.gs
 Start 91
 GI none
 Exons 91..285

Seq. ID OJ990505_09.9B19.C49
 Strand -
 End 285
 Method GENSCAN
 End 285
 Score .5

Seq. No. 23084
 Gene No. 48043
 Start 1
 Name OJ990505_09.9B19.C50.o1.np
 Start 1
 GI 2914695
 Exons 1..191

Seq. ID OJ990505_09.9B19.C50
 Strand +
 End 191
 Method AAT/NAP
 End 191
 Score 86

GI Descrip. (AC003974) putative ubiquitin carboxyl terminal hydrolase
[Arabidopsis thaliana]

Seq. No.	23085	Seq. ID	OJ990505_09.9B19.C51
Gene No.	48044	Strand	+
Start	1	End	653
Name	OJ990505_09.9B19.C51.o1.np	Method	AAT/NAP
Start	1	End	653
GI	6907104	Score	149
Exons	1..220, 270..653		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23085	Seq. ID	OJ990505_09.9B19.C51
Gene No.	48044	Strand	+
Start	1	End	653
Name	OJ990505_09.9B19.C51.o1.gs	Method	GENSCAN
Start	73	End	641
GI	none	Score	.74
Exons	73..641		

Seq. No.	23086	Seq. ID	OJ990505_09.9B19.C53
Gene No.	48045	Strand	-
Start	230	End	345
Name	OJ990505_09.9B19.C53.o1.gs	Method	GENSCAN
Start	230	End	345
GI	none	Score	.51
Exons	230..345		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48046	Strand	+
Start	9379	End	10239
Name	OJ990915_05.9B04.C2.o3.gs	Method	GENSCAN
Start	9379	End	10239
GI	none	Score	.98
Exons	9379..10239		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48047	Strand	+
Start	14448	End	14746
Name	OJ990915_05.9B04.C2.o1.gp	Method	AAT/GAP
Start	14448	End	14746
GI	none	Score	594
Exons	14448..14746		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48048	Strand	-
Start	1	End	8051
Name	OJ990915_05.9B04.C2.o1.np	Method	AAT/NAP
Start	1	End	2948
GI	6705984	Score	806
Exons	1..1679, 1706..1973, 2814..2948		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48048	Strand	-
Start	1	End	8051
Name	OJ990915_05.9B04.C2.o3.np	Method	AAT/NAP

Start	2384	End	6288
GI	4731111	Score	123
Exons	2384..2404, 4893..5044, 6267..6288		
GI Descrip.	(AF064707) exhydrolase II [Zea mays]		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48048	Strand	-
Start	1	End	8051
Name	OJ990915_05.9B04.C2.o2.gs	Method	GENSCAN
Start	4453	End	8051
GI	none	Score	.54
Exons	4453..4677, 4993..5034, 5235..5323, 7246..7329, 7554..7677, 7950..8051		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48049	Strand	-
Start	12910	End	13051
Name	OJ990915_05.9B04.C2.o2.tw	Method	TBLASTX:Wheat
Start	397	End	713
GI	none	Score	46
Exons	397..429, 405..431, 435..713, 444..701		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48049	Strand	-
Start	12910	End	13051
Name	OJ990915_05.9B04.C2.o1.tw	Method	TBLASTX:Wheat
Start	1095	End	1620
GI	none	Score	122
Exons	1095..1430, 1186..1401, 1452..1619, 1455..1559, 1531..1620		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48049	Strand	-
Start	12910	End	13051
Name	OJ990915_05.9B04.C2.o1.ts	Method	TBLASTX:Soybean
Start	1200	End	1589
GI	none	Score	88
Exons	1200..1421, 1413..1589		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48049	Strand	-
Start	12910	End	13051
Name	OJ990915_05.9B04.C2.o1.tm	Method	TBLASTX:Maize
Start	1455	End	1654
GI	none	Score	86
Exons	1455..1637, 1514..1654, 1525..1638		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48049	Strand	-
Start	12910	End	13051
Name	OJ990915_05.9B04.C2.o2.tm	Method	TBLASTX:Maize
Start	3157	End	3559
GI	none	Score	75
Exons	3157..3327, 3158..3328, 3234..3329, 3332..3556, 3332..3439, 3334..3558, 3470..3559		

Seq. No.	23087	Seq. ID	OJ990915_05.9B04.C2
Gene No.	48049	Strand	-

Start	12910	End	13051
Name	OJ990915_05.9B04.C2.o4.gs	Method	GENSCAN
Start	12910	End	13051
GI	none	Score	.63
Exons	12910..13051		

Seq. No.	23088	Seq. ID	OJ990915_05.9B04.C3
Gene No.	48050	Strand	-
Start	130	End	1715
Name	OJ990915_05.9B04.C3.o1.tw	Method	TBLASTX:Wheat
Start	5	End	596
GI	none	Score	53
Exons	5..70, 295..420, 296..421, 507..596		

Seq. No.	23088	Seq. ID	OJ990915_05.9B04.C3
Gene No.	48050	Strand	-
Start	130	End	1715
Name	OJ990915_05.9B04.C3.o1.gp	Method	AAT/GAP
Start	130	End	1715
GI	none	Score	1048
Exons	130..431, 506..587, 1548..1715		

Seq. No.	23088	Seq. ID	OJ990915_05.9B04.C3
Gene No.	48050	Strand	-
Start	130	End	1715
Name	OJ990915_05.9B04.C3.o1.tm	Method	TBLASTX:Maize
Start	295	End	591
GI	none	Score	153
Exons	295..444, 296..445, 507..590, 508..591		

Seq. No.	23089	Seq. ID	OJ990915_05.9B04.C4
Gene No.	48051	Strand	+
Start	9265	End	24317
Name	OJ990915_05.9B04.C4.o2.gs	Method	GENSCAN
Start	9265	End	24317
GI	none	Score	.48
Exons	9265..10444, 10947..11012, 11338..11432, 11466..11502, 11595..11660, 11706..11820, 13809..14732, 15219..15585, 15671..15829, 15881..15932, 15966..16084, 16165..16463, 16938..17028, 17075..17176, 17442..17811, 17875..18269, 18492..18812, 18898..19039, 19451..19594, 20003..20162, 20270..21061, 21239..21253, 21975..22066, 22835..22877, 23420..23479, 23587..24317		

Seq. No.	23089	Seq. ID	OJ990915_05.9B04.C4
Gene No.	48051	Strand	+
Start	9265	End	24317
Name	OJ990915_05.9B04.C4.o1.np	Method	AAT/NAP
Start	9376	End	17825
GI	5441880	Score	2539
Exons	9376..10387, 13946..13977, 14236..14670, 15219..15585, 16165..16463, 16568..16829, 17067..17138, 17424..17825		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23089	Seq. ID	OJ990915_05.9B04.C4
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Gene No. 48052
 Start 1
 Name OJ990915_05.9B04.C4.o1.gp
 Start 1
 GI none
 Exons 1..377

Strand -
 End 377
 Method AAT/GAP
 End 377
 Score 677

Seq. No. 23089
 Gene No. 48053
 Start 2163
 Name OJ990915_05.9B04.C4.o2.gp
 Start 2163
 GI none
 Exons 2163..2197, 2924..3144

Seq. ID OJ990915_05.9B04.C4
 Strand -
 End 3144
 Method AAT/GAP
 End 3144
 Score 399

Seq. No. 23089
 Gene No. 48054
 Start 20420
 Name OJ990915_05.9B04.C4.o1.tm
 Start 9943
 GI none
 Exons 9943..10410, 9948..10421

Seq. ID OJ990915_05.9B04.C4
 Strand -
 End 21054
 Method TBLASTX:Maize
 End 10421
 Score 366

Seq. No. 23089
 Gene No. 48054
 Start 20420
 Name OJ990915_05.9B04.C4.o1.tw
 Start 10237
 GI none
 Exons 10237..10386, 10240..10416, 10450..10602, 10463..10603

Seq. ID OJ990915_05.9B04.C4
 Strand -
 End 21054
 Method TBLASTX:Wheat
 End 10603
 Score 182

Seq. No. 23089
 Gene No. 48054
 Start 20420
 Name OJ990915_05.9B04.C4.o2.tw
 Start 15310
 GI none
 Exons 15310..15363, 15324..15374, 15372..15491, 15373..15492

Seq. ID OJ990915_05.9B04.C4
 Strand -
 End 21054
 Method TBLASTX:Wheat
 End 15492
 Score 92

Seq. No. 23089
 Gene No. 48054
 Start 20420
 Name OJ990915_05.9B04.C4.o2.np
 Start 20420
 GI 6523547
 Exons 20420..21054

Seq. ID OJ990915_05.9B04.C4
 Strand -
 End 21054
 Method AAT/NAP
 End 21054
 Score 344

GI Descrip. (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]

Seq. No. 23090
 Gene No. 48055
 Start 1
 Name OJ990915_05.9B04.C5.o1.np
 Start 1
 GI 6721517
 Exons 1..373

Seq. ID OJ990915_05.9B04.C5
 Strand -
 End 373
 Method AAT/NAP
 End 373
 Score 611

GI Descrip. (AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]

Seq. No. 23090
 Gene No. 48055
 Start 1
 Name OJ990915_05.9B04.C5.o1.tw
 Start 13
 GI none
 Exons 13..147, 13..330, 236..331

Seq. ID OJ990915_05.9B04.C5
 Strand -
 End 373
 Method TBLASTX:Wheat
 End 331
 Score 79

Seq. No. 23090
 Gene No. 48055
 Start 1
 Name OJ990915_05.9B04.C5.o1.tm
 Start 64
 GI none
 Exons 64..339

Seq. ID OJ990915_05.9B04.C5
 Strand -
 End 373
 Method TBLASTX:Maize
 End 339
 Score 205

Seq. No. 23091
 Gene No. 48056
 Start 38
 Name OJ990915_05.9B04.C7.o1.gs
 Start 38
 GI none
 Exons 38..90, 296..310

Seq. ID OJ990915_05.9B04.C7
 Strand -
 End 310
 Method GENSCAN
 End 310
 Score .56

Seq. No. 23092
 Gene No. 48057
 Start 1
 Name OJ990915_05.9B04.C9.o1.np
 Start 1
 GI 6466937
 Exons 1..1368
 GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. ID OJ990915_05.9B04.C9
 Strand +
 End 1368
 Method AAT/NAP
 End 1368
 Score 935

Seq. No. 23092
 Gene No. 48057
 Start 1
 Name OJ990915_05.9B04.C9.o3.tm
 Start 1
 GI none
 Exons 1..117, 2..316

Seq. ID OJ990915_05.9B04.C9
 Strand +
 End 1368
 Method TBLASTX:Maize
 End 316
 Score 266

Seq. No. 23092
 Gene No. 48057
 Start 1
 Name OJ990915_05.9B04.C9.o1.gs
 Start 41
 GI none
 Exons 41..614, 841..1061, 1074..1346

Seq. ID OJ990915_05.9B04.C9
 Strand +
 End 1368
 Method GENSCAN
 End 1346
 Score .47

Seq. No. 23092
 Gene No. 48057
 Start 1
 Name OJ990915_05.9B04.C9.o1.tw
 Start 104
 GI none

Seq. ID OJ990915_05.9B04.C9
 Strand +
 End 1368
 Method TBLASTX:Wheat
 End 532
 Score 365

Exons 104..532, 346..531

Seq. No.	23092	Seq. ID	OJ990915_05.9B04.C9
Gene No.	48057	Strand	+
Start	1	End	1368
Name	OJ990915_05.9B04.C9.o1.tm	Method	TBLASTX:Maize
Start	368	End	1004
GI	none	Score	224
Exons	368..583, 454..582, 608..985, 609..1004		

Seq. No.	23092	Seq. ID	OJ990915_05.9B04.C9
Gene No.	48057	Strand	+
Start	1	End	1368
Name	OJ990915_05.9B04.C9.o1.ts	Method	TBLASTX:Soybean
Start	389	End	776
GI	none	Score	184
Exons	389..610, 421..609, 440..658, 608..775, 612..776		

Seq. No.	23092	Seq. ID	OJ990915_05.9B04.C9
Gene No.	48057	Strand	+
Start	1	End	1368
Name	OJ990915_05.9B04.C9.o3.tw	Method	TBLASTX:Wheat
Start	612	End	853
GI	none	Score	197
Exons	612..848, 719..853		

Seq. No.	23092	Seq. ID	OJ990915_05.9B04.C9
Gene No.	48057	Strand	+
Start	1	End	1368
Name	OJ990915_05.9B04.C9.o2.tw	Method	TBLASTX:Wheat
Start	854	End	1241
GI	none	Score	195
Exons	854..1012, 855..1043, 1050..1241, 1125..1238, 1172..1240		

Seq. No.	23092	Seq. ID	OJ990915_05.9B04.C9
Gene No.	48057	Strand	+
Start	1	End	1368
Name	OJ990915_05.9B04.C9.o2.tm	Method	TBLASTX:Maize
Start	1077	End	1367
GI	none	Score	296
Exons	1077..1367, 1091..1366		

Seq. No.	23093	Seq. ID	OJ990915_05.9B04.C10
Gene No.	48058	Strand	+
Start	3185	End	3611
Name	OJ990915_05.9B04.C10.o1.gp	Method	AAT/GAP
Start	3157	End	3586
GI	uC-osrocyp016b05b1	Score	801
Exons	3157..3586		
GI Descrip.	'3252868 2.0e-21 (AF033536) putative zinc transporter [Arabidopsis thaliana]'		

Seq. No.	23093	Seq. ID	OJ990915_05.9B04.C10
Gene No.	48058	Strand	+
Start	3185	End	3611
Name	OJ990915_05.9B04.C10.o1.np	Method	AAT/NAP
Start	3185	End	3611

GI 3252868 Score 275
 Exons 3185..3611
 GI Descrip. (AF033536) putative zinc transporter [Arabidopsis thaliana]

Seq. No. 23093 Seq. ID OJ990915_05.9B04.C10
 Gene No. 48058 Strand +
 Start 3185 End 3611
 Name OJ990915_05.9B04.C10.o2.gs Method GENSCAN
 Start 3185 End 3589
 GI none Score .99
 Exons 3185..3589

Seq. No. 23093 Seq. ID OJ990915_05.9B04.C10
 Gene No. 48058 Strand +
 Start 3185 End 3611
 Name OJ990915_05.9B04.C10.o1.ts Method TBLASTX:Soybean
 Start 3329 End 3610
 GI none Score 284
 Exons 3329..3538, 3358..3537, 3554..3610, 3556..3609

Seq. No. 23093 Seq. ID OJ990915_05.9B04.C10
 Gene No. 48058 Strand +
 Start 3185 End 3611
 Name OJ990915_05.9B04.C10.o1.tc Method TBLASTX:Cress
 Start 3332 End 3610
 GI none Score 240
 Exons 3332..3538, 3394..3528, 3554..3610

Seq. No. 23094 Seq. ID OJ990915_05.9B04.C11
 Gene No. 48059 Strand +
 Start 664 End 2506
 Name OJ990915_05.9B04.C11.o1.gs Method GENSCAN
 Start 664 End 2506
 GI none Score .88
 Exons 664..722, 767..968, 2112..2506

Seq. No. 23094 Seq. ID OJ990915_05.9B04.C11
 Gene No. 48059 Strand +
 Start 664 End 2506
 Name OJ990915_05.9B04.C11.o1.np Method AAT/NAP
 Start 850 End 2500
 GI 3252868 Score 494
 Exons 850..968, 2112..2500
 GI Descrip. (AF033536) putative zinc transporter [Arabidopsis thaliana]

Seq. No. 23094 Seq. ID OJ990915_05.9B04.C11
 Gene No. 48060 Strand +
 Start 18049 End 28662
 Name OJ990915_05.9B04.C11.o3.gs Method GENSCAN
 Start 18049 End 28662
 GI none Score .94
 Exons 18049..18057, 19587..19620, 21000..21158, 21201..21333,
 21378..21478, 21887..21938, 23895..23940, 24088..25901,
 25944..28662

Seq. No. 23094 Seq. ID OJ990915_05.9B04.C11
 Gene No. 48060 Strand +

Start	18049	End	28662
Name	OJ990915_05.9B04.C11.o5.np	Method	AAT/NAP
Start	24085	End	28659
GI	4680179	Score	6559
Exons	24085..28659		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48061	Strand	-
Start	2246	End	2672
Name	OJ990915_05.9B04.C11.o1.gp	Method	AAT/GAP
Start	2246	End	2672
GI	none	Score	579
Exons	2246..2672		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o1.ts	Method	TBLASTX:Soybean
Start	836	End	2500
GI	none	Score	92
Exons	836..946, 874..975, 2108..2500, 2152..2499		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o1.tc	Method	TBLASTX:Cress
Start	863	End	2500
GI	none	Score	79
Exons	863..946, 886..978, 2108..2500, 2155..2499		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o4.tm	Method	TBLASTX:Maize
Start	2117	End	2386
GI	none	Score	387
Exons	2117..2386, 2117..2215, 2146..2385		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o9.tw	Method	TBLASTX:Wheat
Start	2299	End	2553
GI	none	Score	225
Exons	2299..2553, 2300..2506		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o2.gs	Method	GENSCAN
Start	3740	End	16415
GI	none	Score	.71
Exons	3740..3950, 4207..4454, 5363..5469, 5777..6122, 9690..9902, 11267..11687, 12323..12389, 12692..12725, 13849..13902, 14114..14254, 14864..14929, 15091..15295, 15874..15976, 16193..16227, 16348..16415		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o2.gp	Method	AAT/GAP
Start	8441	End	9739
GI	none	Score	1086
Exons	8441..8975, 9690..9739		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o2.np	Method	AAT/NAP
Start	9684	End	11539
GI	2464914	Score	275
Exons	9684..9902, 11267..11539		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o6.tm	Method	TBLASTX:Maize
Start	9690	End	11426
GI	none	Score	251
Exons	9690..9899, 9690..9902, 9691..9903, 11340..11426		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o3.np	Method	AAT/NAP
Start	12311	End	12855
GI	6539585	Score	175
Exons	12311..12402, 12700..12855		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o7.tm	Method	TBLASTX:Maize
Start	13463	End	15300
GI	none	Score	75
Exons	13463..13522, 13465..13524, 13627..13719, 13629..13718, 13631..13726, 13840..13908, 13851..13913, 13851..13904, 13852..13905, 14114..14254, 14123..14251, 14861..14929, 14865..14924, 15088..15300, 15091..15300		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o2.tc	Method	TBLASTX:Cress
Start	13469	End	15285
GI	none	Score	125
Exons	13469..13540, 13621..13716, 13622..13717, 14119..14244, 14123..14251, 14126..14254, 14130..14255, 14861..14926, 14861..14929, 15088..15285, 15137..15271		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
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Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o6.ts	Method	TBLASTX:Soybean
Start	13476	End	13913
GI	none	Score	61
Exons	13476..13523, 13477..13533, 13478..13522, 13616..13711, 13621..13719, 13630..13716, 13845..13913, 13848..13904, 13849..13905		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o4.np	Method	AAT/NAP
Start	13478	End	16415
GI	2921510	Score	632
Exons	13478..13522, 13621..13713, 13849..13902, 14114..14254, 14864..14929, 15091..15321, 16249..16415		
GI Descrip.	(AF037459) clp-like energy-dependent protease [Fritillaria agrestis]		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48062	Strand	-
Start	3740	End	16415
Name	OJ990915_05.9B04.C11.o4.ts	Method	TBLASTX:Soybean
Start	14135	End	15265
GI	none	Score	113
Exons	14135..14251, 14135..14254, 14139..14255, 14861..14929, 14865..14921, 15082..15264, 15091..15243, 15137..15265		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48063	Strand	-
Start	24354	End	24894
Name	OJ990915_05.9B04.C11.o7.tw	Method	TBLASTX:Wheat
Start	24354	End	24717
GI	none	Score	291
Exons	24354..24458, 24358..24717, 24483..24716		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48063	Strand	-
Start	24354	End	24894
Name	OJ990915_05.9B04.C11.o11.tm	Method	TBLASTX:Maize
Start	24598	End	24894
GI	none	Score	198
Exons	24598..24894, 24615..24785		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48064	Strand	-
Start	25240	End	25647
Name	OJ990915_05.9B04.C11.o9.tm	Method	TBLASTX:Maize
Start	25240	End	25560
GI	none	Score	208
Exons	25240..25560		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48064	Strand	-
Start	25240	End	25647
Name	OJ990915_05.9B04.C11.o8.tw	Method	TBLASTX:Wheat

Start	25293	End	25647
GI	none	Score	257
Exons	25293..25388, 25294..25647, 25477..25611		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48065	Strand	
Start	25818	End	26328
Name	OJ990915_05.9B04.C11.o4.tw	Method	TBLASTX:Wheat
Start	25818	End	26304
GI	none	Score	532
Exons	25818..26261, 25822..26304, 25822..26262		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48065	Strand	
Start	25818	End	26328
Name	OJ990915_05.9B04.C11.o5.tm	Method	TBLASTX:Maize
Start	25891	End	26328
GI	none	Score	358
Exons	25891..26328, 25972..26325		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48066	Strand	
Start	26245	End	26727
Name	OJ990915_05.9B04.C11.o2.ts	Method	TBLASTX:Soybean
Start	26245	End	26640
GI	none	Score	57
Exons	26245..26277, 26245..26277, 26281..26325, 26288..26422, 26395..26640, 26397..26639		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48066	Strand	
Start	26245	End	26727
Name	OJ990915_05.9B04.C11.o6.tw	Method	TBLASTX:Wheat
Start	26364	End	26655
GI	none	Score	83
Exons	26364..26447, 26391..26654, 26395..26655		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48066	Strand	
Start	26245	End	26727
Name	OJ990915_05.9B04.C11.o8.tm	Method	TBLASTX:Maize
Start	26388	End	26727
GI	none	Score	307
Exons	26388..26645, 26407..26727, 26691..26720		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48067	Strand	
Start	26656	End	27165
Name	OJ990915_05.9B04.C11.o2.tw	Method	TBLASTX:Wheat
Start	26656	End	27165
GI	none	Score	629
Exons	26656..27165, 26656..26955, 26688..27074		

Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48067	Strand	
Start	26656	End	27165
Name	OJ990915_05.9B04.C11.o5.ts	Method	TBLASTX:Soybean

Start 26665
GI none
Exons 26665..26907

End 26907
Score 197

Seq. No. 23094
Gene No. 48067
Start 26656
Name OJ990915_05.9B04.C11.o2.tm
Start 26728
GI none
Exons 26728..27081, 26730..26906, 26770..26955, 26931..26996

Seq. ID OJ990915_05.9B04.C11
Strand
End 27165
Method TBLASTX:Maize
End 27081
Score 477

Seq. No. 23094
Gene No. 48068
Start 27169
Name OJ990915_05.9B04.C11.o3.tw
Start 27169
GI none
Exons 27169..27648, 27187..27642, 27264..27647

Seq. ID OJ990915_05.9B04.C11
Strand
End 28667
Method TBLASTX:Wheat
End 27648
Score 586

Seq. No. 23094
Gene No. 48068
Start 27169
Name OJ990915_05.9B04.C11.o3.tc
Start 27346
GI none
Exons 27346..27528, 27529..27672, 27594..27671

Seq. ID OJ990915_05.9B04.C11
Strand
End 28667
Method TBLASTX:Cress
End 27672
Score 90

Seq. No. 23094
Gene No. 48068
Start 27169
Name OJ990915_05.9B04.C11.o3.ts
Start 27436
GI none
Exons 27436..27696

Seq. ID OJ990915_05.9B04.C11
Strand
End 28667
Method TBLASTX:Soybean
End 27696
Score 299

Seq. No. 23094
Gene No. 48068
Start 27169
Name OJ990915_05.9B04.C11.o3.tm
Start 27494
GI none
Exons 27494..27682, 27496..27786, 27565..27777, 27597..27782

Seq. ID OJ990915_05.9B04.C11
Strand
End 28667
Method TBLASTX:Maize
End 27786
Score 391

Seq. No. 23094
Gene No. 48068
Start 27169
Name OJ990915_05.9B04.C11.o1.tw
Start 27655
GI none
Exons 27655..28281, 27711..28280

Seq. ID OJ990915_05.9B04.C11
Strand
End 28667
Method TBLASTX:Wheat
End 28281
Score 672

Seq. No. 23094
Gene No. 48068
Start 27169
Name OJ990915_05.9B04.C11.o1.tm
Start 27835

Seq. ID OJ990915_05.9B04.C11
Strand
End 28667
Method TBLASTX:Maize
End 28422

GI	none	Score	226
Exons	27835..27996, 27841..27987, 27843..27989, 27994..28092, 27994..28062, 27996..28091, 28153..28422, 28161..28421		
Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48068	Strand	
Start	27169	End	28667
Name	OJ990915_05.9B04.C11.o5.tw	Method	TBLASTX:Wheat
Start	28281	End	28614
GI	none	Score	360
Exons	28281..28550, 28282..28614		
Seq. No.	23094	Seq. ID	OJ990915_05.9B04.C11
Gene No.	48068	Strand	
Start	27169	End	28667
Name	OJ990915_05.9B04.C11.o10.tm	Method	TBLASTX:Maize
Start	28423	End	28667
GI	none	Score	202
Exons	28423..28635, 28455..28544, 28605..28667		
Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48069	Strand	+
Start	223	End	3958
Name	OJ990915_05.9B04.C12.o1.gs	Method	GENSCAN
Start	223	End	3958
GI	none	Score	.58
Exons	223..517, 2204..2308, 3372..3958		
Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48069	Strand	+
Start	223	End	3958
Name	OJ990915_05.9B04.C12.o1.np	Method	AAT/NAP
Start	3482	End	3913
GI	3128177	Score	349
Exons	3482..3913		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		
Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48070	Strand	-
Start	3396	End	4163
Name	OJ990915_05.9B04.C12.o1.gp	Method	AAT/GAP
Start	3396	End	4163
GI	2221_1.R1084	Score	1454
Exons	3396..4163		
GI Descrip.	'3128177 5.0e-24 (AC004521) unknown protein [Arabidopsis thaliana]'		
Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48071	Strand	-
Start	5041	End	10018
Name	OJ990915_05.9B04.C12.o1.tm	Method	TBLASTX:Maize
Start	3463	End	3868
GI	none	Score	601
Exons	3463..3597, 3467..3868, 3479..3601, 3715..3864, 3779..3868		
Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48071	Strand	-

Start	5041	End	10018
Name	OJ990915_05.9B04.C12.o1.tc	Method	TBLASTX:Cress
Start	3482	End	3865
GI	none	Score	185
Exons	3482..3649, 3487..3597, 3692..3865, 3718..3864		

Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48071	Strand	-
Start	5041	End	10018
Name	OJ990915_05.9B04.C12.o1.ts	Method	TBLASTX:Soybean
Start	3482	End	3865
GI	none	Score	182
Exons	3482..3649, 3482..3601, 3686..3865, 3718..3864		

Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48071	Strand	-
Start	5041	End	10018
Name	OJ990915_05.9B04.C12.o2.gs	Method	GENSCAN
Start	5041	End	9663
GI	none	Score	.51
Exons	5041..5209, 5701..5902, 6048..6224, 8069..8170, 8994..9141, 9496..9663		

Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48071	Strand	-
Start	5041	End	10018
Name	OJ990915_05.9B04.C12.o2.gp	Method	AAT/GAP
Start	8360	End	10018
GI	15337_1.R1084	Score	1945
Exons	8360..9141, 9496..9663, 9944..10018		
GI Descrip.	'2826786/emb CAA71844 5.0e-41 (Y10905) RAPB protein [Oryza sativa]'		

Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48071	Strand	-
Start	5041	End	10018
Name	OJ990915_05.9B04.C12.o2.np	Method	AAT/NAP
Start	8800	End	10014
GI	2826786	Score	279
Exons	8800..8932, 9071..9141, 9496..9663, 9944..10014		
GI Descrip.	(Y10905) RAPB protein [Oryza sativa]		

Seq. No.	23095	Seq. ID	OJ990915_05.9B04.C12
Gene No.	48071	Strand	-
Start	5041	End	10018
Name	OJ990915_05.9B04.C12.o2.tm	Method	TBLASTX:Maize
Start	9065	End	9636
GI	none	Score	95
Exons	9065..9142, 9073..9144, 9487..9636, 9500..9634		

Seq. No.	23096	Seq. ID	OJ990915_05.9B04.C13
Gene No.	48072	Strand	-
Start	1217	End	1697
Name	OJ990915_05.9B04.C13.o1.gp	Method	AAT/GAP
Start	1217	End	1697
GI	none	Score	748
Exons	1217..1256, 1345..1697		

Seq. No.	23097	Seq. ID	OJ990915_05.9B04.C14
Gene No.	48073	Strand	-
Start	24	End	338
Name	OJ990915_05.9B04.C14.o1.tm	Method	TBLASTX:Maize
Start	23	End	243
GI	none	Score	240
Exons	23..139, 27..239, 28..189, 28..243		

Seq. No.	23097	Seq. ID	OJ990915_05.9B04.C14
Gene No.	48073	Strand	-
Start	24	End	338
Name	OJ990915_05.9B04.C14.o1.gs	Method	GENSCAN
Start	24	End	338
GI	none	Score	.74
Exons	24..338		

Seq. No.	23098	Seq. ID	OJ990915_05.9B04.C15
Gene No.	48074	Strand	+
Start	1	End	2431
Name	OJ990915_05.9B04.C15.o1.gp	Method	AAT/GAP
Start	1	End	320
GI	none	Score	298
Exons	1..54, 216..320		

Seq. No.	23098	Seq. ID	OJ990915_05.9B04.C15
Gene No.	48074	Strand	+
Start	1	End	2431
Name	OJ990915_05.9B04.C15.o1.gs	Method	GENSCAN
Start	216	End	1999
GI	none	Score	.71
Exons	216..456, 577..714, 1719..1842, 1887..1999		

Seq. No.	23098	Seq. ID	OJ990915_05.9B04.C15
Gene No.	48074	Strand	+
Start	1	End	2431
Name	OJ990915_05.9B04.C15.o2.tm	Method	TBLASTX:Maize
Start	571	End	1516
GI	none	Score	59
Exons	571..621, 575..631, 575..631, 626..667, 1182..1241, 1184..1240, 1259..1516, 1277..1498		

Seq. No.	23098	Seq. ID	OJ990915_05.9B04.C15
Gene No.	48074	Strand	+
Start	1	End	2431
Name	OJ990915_05.9B04.C15.o2.gp	Method	AAT/GAP
Start	1350	End	2431
GI	none	Score	1786
Exons	1350..1622, 1719..2431		

Seq. No.	23098	Seq. ID	OJ990915_05.9B04.C15
Gene No.	48074	Strand	+
Start	1	End	2431
Name	OJ990915_05.9B04.C15.o1.ts	Method	TBLASTX:Soybean
Start	1716	End	2069
GI	none	Score	109
Exons	1716..1802, 1809..1859, 1956..2069, 1986..2069		

Seq. No.	23098	Seq. ID	OJ990915_05.9B04.C15
Gene No.	48074	Strand	+
Start	1	End	2431
Name	OJ990915_05.9B04.C15.o1.tm	Method	TBLASTX:Maize
Start	1772	End	2084
GI	none	Score	134
Exons	1772..1861, 1773..1862, 1831..2070, 1869..2084, 1871..2068		

Seq. No.	23099	Seq. ID	OJ990915_05.9B04.C16
Gene No.	48075	Strand	+
Start	407	End	939
Name	OJ990915_05.9B04.C16.o1.gs	Method	GENSCAN
Start	407	End	939
GI	none	Score	.71
Exons	407..451, 823..939		

Seq. No.	23100	Seq. ID	OJ990915_05.9B04.C17
Gene No.	48076	Strand	+
Start	447	End	574
Name	OJ990915_05.9B04.C17.o1.gs	Method	GENSCAN
Start	447	End	574
GI	none	Score	.8
Exons	447..574		

Seq. No.	23100	Seq. ID	OJ990915_05.9B04.C17
Gene No.	48077	Strand	-
Start	2788	End	2943
Name	OJ990915_05.9B04.C17.o2.gs	Method	GENSCAN
Start	2788	End	2943
GI	none	Score	.85
Exons	2788..2943		

Seq. No.	23101	Seq. ID	OJ990915_05.9B04.C19
Gene No.	48078	Strand	+
Start	1	End	687
Name	OJ990915_05.9B04.C19.o1.np	Method	AAT/NAP
Start	1	End	687
GI	4539436	Score	483
Exons	1..687		
GI Descrip.	(AL049523) putative reverse-transcriptase-like protein [Arabidopsis thaliana]		

Seq. No.	23101	Seq. ID	OJ990915_05.9B04.C19
Gene No.	48078	Strand	+
Start	1	End	687
Name	OJ990915_05.9B04.C19.o1.ts	Method	TBLASTX:Soybean
Start	291	End	551
GI	none	Score	204
Exons	291..551		

Seq. No.	23101	Seq. ID	OJ990915_05.9B04.C19
Gene No.	48078	Strand	+
Start	1	End	687
Name	OJ990915_05.9B04.C19.o1.tm	Method	TBLASTX:Maize
Start	315	End	685
GI	none	Score	229

Exons 315..551, 326..517, 602..685

Seq. No.	23101	Seq. ID	OJ990915_05.9B04.C19
Gene No.	48078	Strand	+
Start	1	End	687
Name	OJ990915_05.9B04.C19.o1.tw	Method	TBLASTX:Wheat
Start	330	End	551
GI	none	Score	189
Exons	330..551		

Seq. No.	23102	Seq. ID	OJ990915_05.9B04.C21
Gene No.	48079	Strand	+
Start	1	End	416
Name	OJ990915_05.9B04.C21.o1.gp	Method	AAT/GAP
Start	1	End	291
GI	none	Score	499
Exons	1..291		

Seq. No.	23102	Seq. ID	OJ990915_05.9B04.C21
Gene No.	48079	Strand	+
Start	1	End	416
Name	OJ990915_05.9B04.C21.o1.gs	Method	GENSCAN
Start	109	End	416
GI	none	Score	.79
Exons	109..175, 267..416		

Seq. No.	23103	Seq. ID	OJ990915_04.9B04.C2
Gene No.	48080	Strand	+
Start	45	End	2199
Name	OJ990915_04.9B04.C2.o1.gs	Method	GENSCAN
Start	45	End	2199
GI	none	Score	.5
Exons	45..133, 1167..1241, 2085..2199		

Seq. No.	23103	Seq. ID	OJ990915_04.9B04.C2
Gene No.	48080	Strand	+
Start	45	End	2199
Name	OJ990915_04.9B04.C2.o1.np	Method	AAT/NAP
Start	1589	End	1805
GI	6069646	Score	153
Exons	1589..1805		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23103	Seq. ID	OJ990915_04.9B04.C2
Gene No.	48081	Strand	+
Start	4507	End	10296
Name	OJ990915_04.9B04.C2.o2.gs	Method	GENSCAN
Start	4507	End	10296
GI	none	Score	.9
Exons	4507..4749, 4821..5018, 5140..5256, 6455..6620, 9890..10296		

Seq. No.	23103	Seq. ID	OJ990915_04.9B04.C2
Gene No.	48081	Strand	+

Start	4507	End	10296
Name	OJ990915_04.9B04.C2.o2.np	Method	AAT/NAP
Start	4543	End	10293
GI	1620369	Score	750
Exons	4543..4749, 4821..5018, 6455..6620, 9890..10293		
GI Descrip.	(Y08781) peroxidase ATP22a [Arabidopsis thaliana]		

Seq. No.	23103	Seq. ID	OJ990915_04.9B04.C2
Gene No.	48081	Strand	+
Start	4507	End	10296
Name	OJ990915_04.9B04.C2.o1.tc	Method	TBLASTX:Cress
Start	4605	End	10286
GI	none	Score	134
Exons	4605..4748, 4618..4743, 4808..4840, 4815..4862, 4854..5018, 4949..5017, 6436..6621, 6458..6622, 9886..10281, 10122..10286		

Seq. No.	23103	Seq. ID	OJ990915_04.9B04.C2
Gene No.	48081	Strand	+
Start	4507	End	10296
Name	OJ990915_04.9B04.C2.o1.ts	Method	TBLASTX:Soybean
Start	4618	End	10284
GI	none	Score	128
Exons	4618..4743, 4815..4844, 4854..5018, 6436..6621, 6458..6622, 9886..10284, 10011..10088, 10122..10280		

Seq. No.	23103	Seq. ID	OJ990915_04.9B04.C2
Gene No.	48081	Strand	+
Start	4507	End	10296
Name	OJ990915_04.9B04.C2.o2.tm	Method	TBLASTX:Maize
Start	4815	End	5021
GI	none	Score	329
Exons	4815..5021, 4820..5020		

Seq. No.	23103	Seq. ID	OJ990915_04.9B04.C2
Gene No.	48081	Strand	+
Start	4507	End	10296
Name	OJ990915_04.9B04.C2.o1.tm	Method	TBLASTX:Maize
Start	9886	End	10161
GI	none	Score	460
Exons	9886..10161, 9888..10160		

Seq. No.	23103	Seq. ID	OJ990915_04.9B04.C2
Gene No.	48081	Strand	+
Start	4507	End	10296
Name	OJ990915_04.9B04.C2.o3.tm	Method	TBLASTX:Maize
Start	10161	End	10286
GI	none	Score	188
Exons	10161..10286, 10162..10284		

Seq. No.	23104	Seq. ID	OJ990915_04.9B04.C3
Gene No.	48082	Strand	+
Start	855	End	8935
Name	OJ990915_04.9B04.C3.o1.gs	Method	GENSCAN
Start	855	End	8780
GI	none	Score	.95
Exons	855..933, 2268..2408, 2560..2648, 4264..4383, 4500..4736, 5514..6398, 6494..6598, 6681..6825, 6907..7071, 7152..7390,		

7485..7517, 7601..7682, 7778..7938, 8043..8216, 8310..8492,
8593..8780

Seq. No. 23104 Seq. ID OJ990915_04.9B04.C3
Gene No. 48082 Strand +
Start 855 End 8935
Name OJ990915_04.9B04.C3.o1.np Method AAT/NAP
Start 2607 End 8935
GI 1076809 Score 3955
Exons 2607..2648, 4264..4383, 4500..4736, 5514..6398, 6494..6598,
6681..6825, 6907..7071, 7152..7390, 7485..7517, 7601..7682,
7778..7938, 8043..8216, 8310..8492, 8593..8780, 8916..8935
GI Descrip. H+-transporting ATPase (EC 3.6.1.35) - maize
gi|758355|emb|CAA59800| (X85805) H(+)-transporting ATPase [Zea
mays]

Seq. No. 23104 Seq. ID OJ990915_04.9B04.C3
Gene No. 48082 Strand +
Start 855 End 8935
Name OJ990915_04.9B04.C3.o1.tm Method TBLASTX:Maize
Start 3900 End 8934
GI none Score 63
Exons 3900..3947, 4287..4385, 4299..4385, 4300..4398, 4355..4387,
4487..4681, 4497..4739, 4497..4721, 4708..4746, 5491..6399,
5511..6419, 5513..6397, 6082..6414, 6490..6600, 6491..6598,
6677..6826, 6678..6827, 6711..6827, 6903..7070, 6906..7070,
6952..7071, 6955..7122, 7135..7263, 7145..7393, 7150..7389,
7202..7390, 7485..7517, 7487..7516, 7600..7686, 7601..7684,
7773..7934, 7777..7938, 7777..7938, 8011..8103, 8016..8216,
8022..8225, 8027..8224, 8264..8491, 8310..8492, 8331..8492,
8585..8689, 8592..8780, 8592..8693, 8596..8781, 8742..8780,
8914..8934

Seq. No. 23104 Seq. ID OJ990915_04.9B04.C3
Gene No. 48082 Strand +
Start 855 End 8935
Name OJ990915_04.9B04.C3.o1.tc Method TBLASTX:Cress
Start 4263 End 8789
GI none Score 166
Exons 4263..4394, 4264..4398, 4487..4681, 4497..4739, 4497..4721,
5511..6401, 5512..5712, 5513..6397, 6235..6411, 6490..6591,
6491..6601, 6677..6826, 6678..6827, 6680..6826, 6711..6827,
6903..7070, 6906..7067, 6959..7069, 7125..7229, 7132..7230,
7145..7246, 7150..7239, 7231..7389, 7232..7393, 7485..7532,
7487..7528, 7601..7684, 7604..7684, 7773..7934, 7777..7938,
7777..7938, 7778..7939, 8013..8225, 8019..8216, 8027..8224,
8262..8492, 8303..8500, 8309..8491, 8591..8683, 8596..8688,
8704..8781, 8742..8789

Seq. No. 23104 Seq. ID OJ990915_04.9B04.C3
Gene No. 48082 Strand +
Start 855 End 8935
Name OJ990915_04.9B04.C3.o3.ts Method TBLASTX:Soybean
Start 4263 End 5570
GI none Score 166
Exons 4263..4385, 4264..4383, 4487..4681, 4497..4751, 4699..4737,
5511..5570, 5513..5569

Seq. No.	23104	Seq. ID	OJ990915_04.9B04.C3
Gene No.	48082	Strand	+
Start	855	End	8935
Name	OJ990915_04.9B04.C3.o3.tw	Method	TBLASTX:Wheat
Start	4497	End	5778
GI	none	Score	83
Exons	4497..4592, 4592..4672, 4593..4739, 4686..4721, 4699..4740, 5475..5777, 5491..5778, 5492..5563, 5511..5777		

Seq. No.	23104	Seq. ID	OJ990915_04.9B04.C3
Gene No.	48082	Strand	+
Start	855	End	8935
Name	OJ990915_04.9B04.C3.o1.gp	Method	AAT/GAP
Start	4564	End	7316
GI	29715_1.R1084	Score	2941
Exons	4564..4736, 5514..6398, 6494..6598, 6681..6825, 6907..7071, 7152..7316		
GI Descrip.	'1076809/pir S52739 0.0e+00 H+-transporting ATPase (EC 3.6.1.35) - maize >gi_758355_emb_CAA59800_ (X85805) H(+)-transporting ATPase [Zea mays]'		

Seq. No.	23104	Seq. ID	OJ990915_04.9B04.C3
Gene No.	48082	Strand	+
Start	855	End	8935
Name	OJ990915_04.9B04.C3.o1.ts	Method	TBLASTX:Soybean
Start	5571	End	6827
GI	none	Score	1301
Exons	5571..6419, 5573..6406, 5574..6407, 6486..6605, 6491..6598, 6493..6600, 6677..6823, 6678..6824, 6711..6827		

Seq. No.	23104	Seq. ID	OJ990915_04.9B04.C3
Gene No.	48082	Strand	+
Start	855	End	8935
Name	OJ990915_04.9B04.C3.o2.tw	Method	TBLASTX:Wheat
Start	5779	End	6161
GI	none	Score	315
Exons	5779..6159, 5780..6160, 5781..6161, 5787..6161		

Seq. No.	23104	Seq. ID	OJ990915_04.9B04.C3
Gene No.	48082	Strand	+
Start	855	End	8935
Name	OJ990915_04.9B04.C3.o1.tw	Method	TBLASTX:Wheat
Start	6536	End	8344
GI	none	Score	91
Exons	6536..6598, 6538..6600, 6538..6600, 6545..6604, 6677..6826, 6678..6827, 6679..6846, 6711..6827, 6903..7070, 6904..7071, 6905..7069, 6906..7070, 6958..7071, 7125..7370, 7132..7263, 7145..7393, 7150..7389, 7483..7512, 7484..7513, 7485..7517, 7601..7684, 7601..7684, 7773..7937, 7777..7938, 8022..8225, 8045..8224, 8155..8232, 8303..8344, 8310..8342		

Seq. No.	23104	Seq. ID	OJ990915_04.9B04.C3
Gene No.	48082	Strand	+
Start	855	End	8935
Name	OJ990915_04.9B04.C3.o2.ts	Method	TBLASTX:Soybean
Start	6903	End	8789

GI none Score 268
 Exons 6903..7070, 6909..7070, 7132..7263, 7145..7393, 7150..7389,
 7484..7516, 7600..7686, 7604..7684, 7773..7934, 7777..7938,
 7777..7938, 8026..8184, 8027..8224, 8034..8225, 8303..8473,
 8309..8491, 8331..8492, 8331..8492, 8591..8680, 8592..8687,
 8596..8697, 8695..8781, 8742..8789

Seq. No. 23104 Seq. ID OJ990915_04.9B04.C3
 Gene No. 48082 Strand +
 Start 855 End 8935
 Name OJ990915_04.9B04.C3.o2.gp Method AAT/GAP
 Start 7770 End 8780
 GI 17527_1.R1084 Score 1348
 Exons 7770..7938, 8043..8216, 8310..8492, 8593..8780
 GI Descrip. '1076809/pir||S52739 1.0e-138 H+-transporting ATPase (EC
 3.6.1.35) - maize >gi_758355_emb_CAA59800_ (X85805)
 H(+)-transporting ATPase [Zea mays]'

Seq. No. 23104 Seq. ID OJ990915_04.9B04.C3
 Gene No. 48082 Strand +
 Start 855 End 8935
 Name OJ990915_04.9B04.C3.o4.tw Method TBLASTX:Wheat
 Start 8345 End 8703
 GI none Score 262
 Exons 8345..8491, 8346..8492, 8352..8492, 8458..8502, 8582..8683,
 8585..8686, 8592..8702, 8592..8696, 8596..8703

Seq. No. 23105 Seq. ID OJ990915_04.9B04.C4
 Gene No. 48083 Strand +
 Start 1861 End 2591
 Name OJ990915_04.9B04.C4.o1.gs Method GENSCAN
 Start 1861 End 2591
 GI none Score .55
 Exons 1861..1967, 2321..2591

Seq. No. 23105 Seq. ID OJ990915_04.9B04.C4
 Gene No. 48084 Strand -
 Start 1 End 53
 Name OJ990915_04.9B04.C4.o1.gp Method AAT/GAP
 Start 1 End 53
 GI 17527_1.R1084 Score 82
 Exons 1..53
 GI Descrip. '1076809/pir||S52739 1.0e-138 H+-transporting ATPase (EC
 3.6.1.35) - maize >gi_758355_emb_CAA59800_ (X85805)
 H(+)-transporting ATPase [Zea mays]'

Seq. No. 23105 Seq. ID OJ990915_04.9B04.C4
 Gene No. 48085 Strand -
 Start 3985 End 4380
 Name OJ990915_04.9B04.C4.o2.gs Method GENSCAN
 Start 3985 End 4380
 GI none Score .48
 Exons 3985..4043, 4272..4380

Seq. No. 23106 Seq. ID OJ990915_04.9B04.C5
 Gene No. 48086 Strand +
 Start 50 End 364

Name OJ990915_04.9B04.C5.o1.gs
 Start 50
 GI none
 Exons 50..224, 237..364

Method GENSCAN
 End 364
 Score .56

Seq. No. 23106
 Gene No. 48087
 Start 2267
 Name OJ990915_04.9B04.C5.o2.gs
 Start 2267
 GI none
 Exons 2267..2346, 2773..2927, 3240..3367

Seq. ID OJ990915_04.9B04.C5
 Strand -
 End 3367
 Method GENSCAN
 End 3367
 Score .7

Seq. No. 23107
 Gene No. 48088
 Start 5975
 Name OJ990915_04.9B04.C7.o1.np
 Start 5975
 GI 6016502
 Exons 5975..6669, 8643..8882

Seq. ID OJ990915_04.9B04.C7
 Strand +
 End 8882
 Method AAT/NAP
 End 8882
 Score 911

GI Descrip. LIGULELESS1 PROTEIN gi|1914845 (U89496) liguleless1 protein [Zea mays]

Seq. No. 23107
 Gene No. 48088
 Start 5975
 Name OJ990915_04.9B04.C7.o2.gs
 Start 5975
 GI none
 Exons 5975..6829

Seq. ID OJ990915_04.9B04.C7
 Strand +
 End 8882
 Method GENSCAN
 End 6829
 Score .66

Seq. No. 23107
 Gene No. 48088
 Start 5975
 Name OJ990915_04.9B04.C7.o1.gp
 Start 8729
 GI uC-osflcyp028d01b1
 Exons 8729..8800

Seq. ID OJ990915_04.9B04.C7
 Strand +
 End 8882
 Method AAT/GAP
 End 8800
 Score 117

GI Descrip. '6016502/sp|O04003|LG1 MAIZE 4.0e-35 LIGULELESS1 PROTEIN >gi_1914845 (U89496) liguleless1 protein [Zea mays]'

Seq. No. 23107
 Gene No. 48089
 Start 8635
 Name OJ990915_04.9B04.C7.o1.ts
 Start 6437
 GI none
 Exons 6437..6484, 6470..6634, 6523..6543, 6560..6670, 6585..6608, 6622..6690, 8632..8730

Seq. ID OJ990915_04.9B04.C7
 Strand -
 End 8749
 Method TBLASTX:Soybean
 End 8730
 Score 56

Seq. No. 23107
 Gene No. 48089
 Start 8635
 Name OJ990915_04.9B04.C7.o3.gs
 Start 8635
 GI none
 Exons 8635..8749

Seq. ID OJ990915_04.9B04.C7
 Strand -
 End 8749
 Method GENSCAN
 End 8749
 Score .73

Seq. No.	23108	Seq. ID	OJ990915_04.9B04.C9
Gene No.	48090	Strand	-
Start	70	End	629
Name	OJ990915_04.9B04.C9.o1.gs	Method	GENSCAN
Start	70	End	629
GI	none	Score	.8
Exons	70..177, 595..629		
Seq. No.	23109	Seq. ID	OJ990915_04.9B04.C10
Gene No.	48091	Strand	+
Start	1217	End	1895
Name	OJ990915_04.9B04.C10.o1.gs	Method	GENSCAN
Start	1217	End	1722
GI	none	Score	.89
Exons	1217..1400, 1705..1722		
Seq. No.	23109	Seq. ID	OJ990915_04.9B04.C10
Gene No.	48091	Strand	+
Start	1217	End	1895
Name	OJ990915_04.9B04.C10.o1.gp	Method	AAT/GAP
Start	1325	End	1895
GI	26033_1.R1084	Score	1105
Exons	1325..1895		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	23109	Seq. ID	OJ990915_04.9B04.C10
Gene No.	48092	Strand	+
Start	5652	End	6422
Name	OJ990915_04.9B04.C10.o2.np	Method	AAT/NAP
Start	5652	End	6422
GI	4680183	Score	199
Exons	5652..5722, 6333..6422		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	23109	Seq. ID	OJ990915_04.9B04.C10
Gene No.	48093	Strand	+
Start	6770	End	6857
Name	OJ990915_04.9B04.C10.o2.gp	Method	AAT/GAP
Start	6770	End	6857
GI	1631463	Score	83
Exons	6770..6857		
GI Descrip.	4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		
Seq. No.	23109	Seq. ID	OJ990915_04.9B04.C10
Gene No.	48094	Strand	+
Start	9864	End	10669
Name	OJ990915_04.9B04.C10.o4.np	Method	AAT/NAP
Start	9864	End	10669
GI	6063557	Score	336
Exons	9864..10046, 10295..10427, 10623..10669		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	23109	Seq. ID	OJ990915_04.9B04.C10
Gene No.	48095	Strand	-
Start	1415	End	10669
Name	OJ990915_04.9B04.C10.o1.tm	Method	TBLASTX:Maize
Start	1020	End	1788
GI	none	Score	68
Exons	1020..1109, 1020..1109, 1219..1404, 1224..1400, 1603..1647, 1693..1788		

Seq. No.	23109	Seq. ID	OJ990915_04.9B04.C10
Gene No.	48095	Strand	-
Start	1415	End	10669
Name	OJ990915_04.9B04.C10.o1.np	Method	AAT/NAP
Start	1415	End	3480
GI	5103834	Score	208
Exons	1415..1486, 3051..3250, 3401..3480		
GI Descrip.	(AC007591) Similar to gb AB008104 ethylene responsive element binding factor 2 from Arabidopsis thaliana and contains an PF 00847 AP2 domain. EST gb AA728476 comes from this gene.		

Seq. No.	23109	Seq. ID	OJ990915_04.9B04.C10
Gene No.	48095	Strand	-
Start	1415	End	10669
Name	OJ990915_04.9B04.C10.o2.gs	Method	GENSCAN
Start	2902	End	10616
GI	none	Score	.63
Exons	2902..3250, 3767..3969, 6783..6896, 7188..7454, 7499..7590, 7675..7798, 8834..8931, 9273..9343, 9427..9602, 9767..9859, 10518..10616		

Seq. No.	23109	Seq. ID	OJ990915_04.9B04.C10
Gene No.	48095	Strand	-
Start	1415	End	10669
Name	OJ990915_04.9B04.C10.o3.np	Method	AAT/NAP
Start	6995	End	10669
GI	81286	Score	177
Exons	6995..7111, 7323..7443, 7769..7917, 7988..8303, 10623..10669		
GI Descrip.	extensin - Volvox carteri (fragment) gi 21992 emb CAA46283 (X65165) extensin [Volvox carteri]		

Seq. No.	23110	Seq. ID	OJ990915_04.9B04.C11
Gene No.	48096	Strand	+
Start	267	End	1557
Name	OJ990915_04.9B04.C11.o1.gs	Method	GENSCAN
Start	267	End	1557
GI	none	Score	.47
Exons	267..390, 786..985, 1471..1557		

Seq. No.	23110	Seq. ID	OJ990915_04.9B04.C11
Gene No.	48097	Strand	-
Start	2769	End	2969
Name	OJ990915_04.9B04.C11.o2.gs	Method	GENSCAN
Start	2769	End	2969
GI	none	Score	.93
Exons	2769..2969		

Seq. No.	23111	Seq. ID	OJ990915_04.9B04.C13
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Gene No. 48098 Strand +
 Start 3650 End 7429
 Name OJ990915_04.9B04.C13.o2.gp Method AAT/GAP
 Start 3592 End 4602
 GI uC-osflm202109e07b1 Score 982
 Exons 3592..3910, 4061..4085, 4304..4419, 4526..4602
 GI Descrip. '1922251/emb|CAA72793| 5.0e-37 (Y12072) farnesyl pyrophosphate synthase [Gossypium arboreum]'

Seq. No. 23111 Seq. ID OJ990915_04.9B04.C13
 Gene No. 48098 Strand +
 Start 3650 End 7429
 Name OJ990915_04.9B04.C13.o2.gs Method GENSCAN
 Start 3650 End 7429
 GI none Score .52
 Exons 3650..3910, 4061..4085, 4304..4419, 4895..5001, 5117..5168, 5697..5741, 5815..5904, 5979..6050, 6157..6281, 7072..7246, 7352..7429

Seq. No. 23111 Seq. ID OJ990915_04.9B04.C13
 Gene No. 48098 Strand +
 Start 3650 End 7429
 Name OJ990915_04.9B04.C13.o3.np Method AAT/NAP
 Start 3774 End 6282
 GI 1346033 Score 698
 Exons 3774..3910, 4061..4085, 4304..4419, 4526..4612, 4707..4823, 4913..5001, 5117..5172, 5536..5627, 5697..5741, 5815..5904, 5979..6050, 6157..6282
 GI Descrip. FARNESYL PYROPHOSPHATE SYNTHETASE (FPP SYNTHETASE) (FPS) (FARNESYL DIPHOSPHATE SYNTHETASE) [INCLUDES: DIMETHYLALLYLTRANSFERASE ; GERANYLTRANSTRANSFERASE] gi|662368 (L39789) farnesyl pyrophosphate synthetase [Zea mays]

Seq. No. 23111 Seq. ID OJ990915_04.9B04.C13
 Gene No. 48098 Strand +
 Start 3650 End 7429
 Name OJ990915_04.9B04.C13.o3.gp Method AAT/GAP
 Start 5122 End 6360
 GI uC-osflcyp053f03b1 Score 938
 Exons 5122..5168, 5533..5627, 5697..5741, 5815..5904, 5979..6050, 6157..6360
 GI Descrip. '2073375/dbj|BAA19856| 4.0e-51 (D85317) farnesyl pyrophosphate synthase [Oryza sativa] >gi_4063829_dbj_BAA36276_ (AB021747) farnesyl diphosphate synthase [Oryza sativa]'

Seq. No. 23111 Seq. ID OJ990915_04.9B04.C13
 Gene No. 48099 Strand -
 Start 246 End 3342
 Name OJ990915_04.9B04.C13.o2.tm Method TBLASTX:Maize
 Start 204 End 479
 GI none Score 160
 Exons 204..323, 204..317, 331..435, 376..417, 413..436, 434..478, 435..479

Seq. No. 23111 Seq. ID OJ990915_04.9B04.C13
 Gene No. 48099 Strand -
 Start 246 End 3342

Name	OJ990915_04.9B04.C13.o1.gs	Method	GENSCAN
Start	246	End	3342
GI	none	Score	.64
Exons	246..662, 849..1066, 1211..1352, 1665..1778, 2183..2288, 2577..2690, 3188..3342		

Seq. No.	23111	Seq. ID	OJ990915_04.9B04.C13
Gene No.	48099	Strand	-
Start	246	End	3342
Name	OJ990915_04.9B04.C13.o1.gp	Method	AAT/GAP
Start	640	End	876
GI	none	Score	215
Exons	640..716, 818..876		

Seq. No.	23111	Seq. ID	OJ990915_04.9B04.C13
Gene No.	48099	Strand	-
Start	246	End	3342
Name	OJ990915_04.9B04.C13.o3.tm	Method	TBLASTX:Maize
Start	640	End	938
GI	none	Score	62
Exons	640..717, 640..723, 817..924, 820..924, 825..938		

Seq. No.	23111	Seq. ID	OJ990915_04.9B04.C13
Gene No.	48099	Strand	-
Start	246	End	3342
Name	OJ990915_04.9B04.C13.o2.np	Method	AAT/NAP
Start	676	End	929
GI	6633826	Score	102
Exons	676..713, 803..929		
GI Descrip.	(AC009519) F1N19.22 [Arabidopsis thaliana]		

Seq. No.	23111	Seq. ID	OJ990915_04.9B04.C13
Gene No.	48100	Strand	-
Start	3797	End	7844
Name	OJ990915_04.9B04.C13.o1.tm	Method	TBLASTX:Maize
Start	3797	End	6285
GI	none	Score	69
Exons	3797..3904, 4302..4421, 4303..4422, 4529..4615, 4697..4825, 4703..4825, 4704..4826, 4904..4996, 4924..4992, 5118..5174, 5540..5620, 5541..5627, 5694..5759, 5694..5759, 5812..5913, 5814..5867, 6154..6285		

Seq. No.	23111	Seq. ID	OJ990915_04.9B04.C13
Gene No.	48100	Strand	-
Start	3797	End	7844
Name	OJ990915_04.9B04.C13.o1.ts	Method	TBLASTX:Soybean
Start	4297	End	7844
GI	none	Score	150
Exons	4297..4419, 4302..4421, 4303..4422, 4526..4615, 4529..4615, 4704..4826, 4904..4996, 5118..5174, 5120..5206, 5541..5627, 5545..5628, 5694..5759, 5694..5759, 7731..7808, 7797..7844		

Seq. No.	23111	Seq. ID	OJ990915_04.9B04.C13
Gene No.	48100	Strand	-
Start	3797	End	7844
Name	OJ990915_04.9B04.C13.o1.tc	Method	TBLASTX:Cress
Start	4302	End	7844

GI	none	Score	167
Exons	4302..4421, 4303..4422, 4529..4615, 4547..4615, 4704..4826, 4706..4834, 4904..4996, 5118..5174, 5541..5627, 5658..5759, 5694..5759, 5812..5913, 5814..5864, 5982..6050, 6154..6285, 7731..7808, 7824..7844		

Seq. No.	23112	Seq. ID	OJ990915_04.9B04.C14
Gene No.	48101	Strand	+
Start	1	End	1340
Name	OJ990915_04.9B04.C14.o1.np	Method	AAT/NAP
Start	1	End	1340
GI	6069646	Score	924
Exons	1..54, 500..920, 970..1340		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23112	Seq. ID	OJ990915_04.9B04.C14
Gene No.	48102	Strand	-
Start	451	End	1961
Name	OJ990915_04.9B04.C14.o1.gs	Method	GENSCAN
Start	451	End	1961
GI	none	Score	.73
Exons	451..818, 898..1050, 1153..1205, 1891..1961		

Seq. No.	23112	Seq. ID	OJ990915_04.9B04.C14
Gene No.	48102	Strand	-
Start	451	End	1961
Name	OJ990915_04.9B04.C14.o1.tm	Method	TBLASTX:Maize
Start	793	End	1310
GI	none	Score	116
Exons	793..930, 917..1078, 1116..1310		

Seq. No.	23113	Seq. ID	OJ990915_04.9B04.C16
Gene No.	48103	Strand	+
Start	311	End	1103
Name	OJ990915_04.9B04.C16.o1.gs	Method	GENSCAN
Start	311	End	801
GI	none	Score	.97
Exons	311..320, 728..801		

Seq. No.	23113	Seq. ID	OJ990915_04.9B04.C16
Gene No.	48103	Strand	+
Start	311	End	1103
Name	OJ990915_04.9B04.C16.o1.gp	Method	AAT/GAP
Start	594	End	1103
GI	38782_1.R1084	Score	813
Exons	594..1103		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	23113	Seq. ID	OJ990915_04.9B04.C16
Gene No.	48104	Strand	-
Start	1	End	3984
Name	OJ990915_04.9B04.C16.o1.np	Method	AAT/NAP

Start	1	End	3984
GI	4680186	Score	89
Exons	1..288, 790..853, 3940..3984		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23113	Seq. ID	OJ990915_04.9B04.C16
Gene No.	48104	Strand	-
Start	1	End	3984
Name	OJ990915_04.9B04.C16.o2.gs	Method	GENSCAN
Start	1535	End	2243
GI	none	Score	.98
Exons	1535..1872, 1979..2243		

Seq. No.	23113	Seq. ID	OJ990915_04.9B04.C16
Gene No.	48105	Strand	-
Start	4483	End	7555
Name	OJ990915_04.9B04.C16.o3.gs	Method	GENSCAN
Start	4483	End	7555
GI	none	Score	.42
Exons	4483..4751, 5157..5552, 5981..6164, 6232..6518, 6606..6791, 7261..7555		

Seq. No.	23114	Seq. ID	OJ990915_04.9B04.C17
Gene No.	48106	Strand	+
Start	1	End	2755
Name	OJ990915_04.9B04.C17.o1.np	Method	AAT/NAP
Start	1	End	2755
GI	3080420	Score	479
Exons	1..53, 1737..1938, 2157..2341, 2498..2755		
GI Descrip.	(AL022604) putative sugar transporter protein [Arabidopsis thaliana]		

Seq. No.	23114	Seq. ID	OJ990915_04.9B04.C17
Gene No.	48106	Strand	+
Start	1	End	2755
Name	OJ990915_04.9B04.C17.o1.gs	Method	GENSCAN
Start	93	End	250
GI	none	Score	.99
Exons	93..250		

Seq. No.	23114	Seq. ID	OJ990915_04.9B04.C17
Gene No.	48107	Strand	-
Start	537	End	2693
Name	OJ990915_04.9B04.C17.o2.gs	Method	GENSCAN
Start	537	End	1872
GI	none	Score	.87
Exons	537..762, 1793..1872		

Seq. No.	23114	Seq. ID	OJ990915_04.9B04.C17
Gene No.	48107	Strand	-
Start	537	End	2693
Name	OJ990915_04.9B04.C17.o1.tm	Method	TBLASTX:Maize
Start	1740	End	2693
GI	none	Score	116
Exons	1740..1838, 1747..1839, 1814..1933, 1883..1945, 2163..2345, 2203..2340, 2494..2646, 2535..2645, 2652..2693		

Seq. No.	23114	Seq. ID	OJ990915_04.9B04.C17
Gene No.	48107	Strand	-
Start	537	End	2693
Name	OJ990915_04.9B04.C17.o1.ts	Method	TBLASTX:Soybean
Start	2203	End	2693
GI	none	Score	138
Exons	2203..2340, 2277..2354, 2494..2646, 2508..2645, 2648..2686, 2649..2693		

Seq. No.	23115	Seq. ID	OJ990915_04.9B04.C19
Gene No.	48108	Strand	+
Start	370	End	3686
Name	OJ990915_04.9B04.C19.o1.gs	Method	GENSCAN
Start	370	End	3686
GI	none	Score	.64
Exons	370..547, 986..1072, 1141..1320, 1443..1612, 1681..2096, 2158..2258, 2349..2484, 2497..2775, 2981..3069, 3584..3686		

Seq. No.	23115	Seq. ID	OJ990915_04.9B04.C19
Gene No.	48108	Strand	+
Start	370	End	3686
Name	OJ990915_04.9B04.C19.o1.gp	Method	AAT/GAP
Start	1122	End	1570
GI	2431493	Score	865
Exons	1122..1570		

Seq. No.	23115	Seq. ID	OJ990915_04.9B04.C19
Gene No.	48108	Strand	+
Start	370	End	3686
Name	OJ990915_04.9B04.C19.o1.np	Method	AAT/NAP
Start	1429	End	2775
GI	3004564	Score	864
Exons	1429..1612, 1681..2096, 2179..2258, 2349..2484, 2623..2775		
GI Descrip.	(AC003673) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	23115	Seq. ID	OJ990915_04.9B04.C19
Gene No.	48108	Strand	+
Start	370	End	3686
Name	OJ990915_04.9B04.C19.o3.tm	Method	TBLASTX:Maize
Start	1817	End	1939
GI	none	Score	195
Exons	1817..1939, 1818..1937		

Seq. No.	23115	Seq. ID	OJ990915_04.9B04.C19
Gene No.	48108	Strand	+
Start	370	End	3686
Name	OJ990915_04.9B04.C19.o1.tc	Method	TBLASTX:Cress
Start	1830	End	2457
GI	none	Score	88
Exons	1830..1934, 1956..2099, 1982..2089, 2175..2261, 2176..2259, 2319..2435, 2353..2457		

Seq. No.	23115	Seq. ID	OJ990915_04.9B04.C19
Gene No.	48108	Strand	+
Start	370	End	3686
Name	OJ990915_04.9B04.C19.o1.ts	Method	TBLASTX:Soybean
Start	1920	End	2676

GI	none	Score	174
Exons	1920..2048, 2049..2099, 2172..2258, 2173..2259, 2325..2483, 2353..2490, 2611..2676		

Seq. No.	23115	Seq. ID	OJ990915_04.9B04.C19
Gene No.	48108	Strand	+
Start	370	End	3686
Name	OJ990915_04.9B04.C19.o1.tm	Method	TBLASTX:Maize
Start	1946	End	2466
GI	none	Score	213
Exons	1946..2092, 1947..2099, 2154..2261, 2173..2259, 2173..2262, 2325..2459, 2350..2466		

Seq. No.	23115	Seq. ID	OJ990915_04.9B04.C19
Gene No.	48108	Strand	+
Start	370	End	3686
Name	OJ990915_04.9B04.C19.o1.tw	Method	TBLASTX:Wheat
Start	1955	End	2472
GI	none	Score	75
Exons	1955..2017, 1956..2018, 2022..2099, 2176..2259, 2356..2472		

Seq. No.	23115	Seq. ID	OJ990915_04.9B04.C19
Gene No.	48108	Strand	+
Start	370	End	3686
Name	OJ990915_04.9B04.C19.o2.tm	Method	TBLASTX:Maize
Start	2616	End	2778
GI	none	Score	99
Exons	2616..2654, 2620..2685, 2620..2664, 2686..2778, 2701..2769, 2715..2777		

Seq. No.	23116	Seq. ID	OJ990915_04.9B04.C20
Gene No.	48109	Strand	+
Start	52	End	273
Name	OJ990915_04.9B04.C20.o1.gs	Method	GENSCAN
Start	52	End	273
GI	none	Score	.89
Exons	52..273		

Seq. No.	23116	Seq. ID	OJ990915_04.9B04.C20
Gene No.	48110	Strand	-
Start	1119	End	1863
Name	OJ990915_04.9B04.C20.o2.gs	Method	GENSCAN
Start	1119	End	1863
GI	none	Score	.57
Exons	1119..1340, 1771..1863		

Seq. No.	23117	Seq. ID	OJ990915_04.9B04.C21
Gene No.	48111	Strand	+
Start	189	End	3034
Name	OJ990915_04.9B04.C21.o1.gs	Method	GENSCAN
Start	189	End	2303
GI	none	Score	.72
Exons	189..272, 362..546, 601..810, 1612..1893, 1973..2120, 2224..2303		

Seq. No.	23117	Seq. ID	OJ990915_04.9B04.C21
Gene No.	48111	Strand	+
Start	189	End	3034

Name	OJ990915_04.9B04.C21.o1.gp	Method	AAT/GAP
Start	346	End	2303
GI	876_1.R1084	Score	1861
Exons	346..810, 1612..1893, 1973..2120, 2224..2303		
GI Descrip.	'3420299 0.0e+00 (AF072849) jab1 protein [Oryza sativa subsp. indica]'		

Seq. No.	23117	Seq. ID	OJ990915_04.9B04.C21
Gene No.	48111	Strand	+
Start	189	End	3034
Name	OJ990915_04.9B04.C21.o1.tm	Method	TBLASTX:Maize
Start	414	End	2123
GI	none	Score	565
Exons	414..479, 418..810, 558..809, 744..812, 1610..1732, 1611..1889, 1611..1889, 1612..1920, 1931..2119, 1962..2120, 1973..2122, 1974..2123		

Seq. No.	23117	Seq. ID	OJ990915_04.9B04.C21
Gene No.	48111	Strand	+
Start	189	End	3034
Name	OJ990915_04.9B04.C21.o1.np	Method	AAT/NAP
Start	418	End	3034
GI	3420299	Score	1466
Exons	418..810, 1612..1893, 1973..2120, 2224..2304, 3012..3034		
GI Descrip.	(AF072849) jab1 protein [Oryza sativa subsp. indica]		

Seq. No.	23117	Seq. ID	OJ990915_04.9B04.C21
Gene No.	48111	Strand	+
Start	189	End	3034
Name	OJ990915_04.9B04.C21.o1.ts	Method	TBLASTX:Soybean
Start	427	End	1830
GI	none	Score	67
Exons	427..477, 429..476, 514..810, 561..809, 744..818, 1607..1723, 1607..1723, 1609..1800, 1611..1802, 1611..1802, 1612..1803, 1804..1830		

Seq. No.	23117	Seq. ID	OJ990915_04.9B04.C21
Gene No.	48111	Strand	+
Start	189	End	3034
Name	OJ990915_04.9B04.C21.o1.tc	Method	TBLASTX:Cress
Start	429	End	2303
GI	none	Score	466
Exons	429..476, 430..807, 558..806, 1611..1892, 1612..1920, 1618..1911, 1931..2128, 1969..2130, 1970..2131, 1971..2138, 2223..2303		

Seq. No.	23118	Seq. ID	OJ990915_04.9B04.C22
Gene No.	48112	Strand	+
Start	1	End	143
Name	OJ990915_04.9B04.C22.o1.gp	Method	AAT/GAP
Start	1	End	143
GI	876_1.R1084	Score	252
Exons	1..143		
GI Descrip.	'3420299 0.0e+00 (AF072849) jab1 protein [Oryza sativa subsp. indica]'		

Seq. No.	23118	Seq. ID	OJ990915_04.9B04.C22
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Gene No. 48113
 Start 108
 Name OJ990915_04.9B04.C22.o1.gs
 Start 108
 GI none
 Exons 108..146, 317..358

Strand +
 End 358
 Method GENSCAN
 End 358
 Score .62

Seq. No. 23118
 Gene No. 48114
 Start 9690
 Name OJ990915_04.9B04.C22.o2.np
 Start 9687
 GI 1346396
 Exons 9687..12125

Seq. ID OJ990915_04.9B04.C22
 Strand +
 End 12134
 Method AAT/NAP
 End 12125
 Score 1643

GI Descrip. PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR
 gi|100913|pir||S10930 probable receptor protein kinase (EC
 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384)
 precursor protein (AA -26 to 791) [Zea mays]
 gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase
 [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea
 mays]

Seq. No. 23118
 Gene No. 48114
 Start 9690
 Name OJ990915_04.9B04.C22.o4.gs
 Start 9690
 GI none
 Exons 9690..12134

Seq. ID OJ990915_04.9B04.C22
 Strand +
 End 12134
 Method GENSCAN
 End 12134
 Score .74

Seq. No. 23118
 Gene No. 48115
 Start 1893
 Name OJ990915_04.9B04.C22.o2.gs
 Start 1893
 GI none
 Exons 1893..4439

Seq. ID OJ990915_04.9B04.C22
 Strand -
 End 11899
 Method GENSCAN
 End 4439
 Score .99

Seq. No. 23118
 Gene No. 48115
 Start 1893
 Name OJ990915_04.9B04.C22.o1.np
 Start 2019
 GI 1346396
 Exons 2019..4447

Seq. ID OJ990915_04.9B04.C22
 Strand -
 End 11899
 Method AAT/NAP
 End 4447
 Score 1607

GI Descrip. PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR
 gi|100913|pir||S10930 probable receptor protein kinase (EC
 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384)
 precursor protein (AA -26 to 791) [Zea mays]
 gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase
 [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea
 mays]

Seq. No. 23118
 Gene No. 48115
 Start 1893
 Name OJ990915_04.9B04.C22.o1.tc

Seq. ID OJ990915_04.9B04.C22
 Strand -
 End 11899
 Method TBLASTX:Cress

Start	2034	End	11899
GI	none	Score	58
Exons	2034..2171, 2286..2369, 2287..2367, 2406..2615, 2416..2592, 2649..2828, 2665..2826, 3471..3677, 3870..4070, 3949..4053, 10059..10259, 10076..10180, 10431..10658, 11319..11498, 11321..11482, 11532..11741, 11555..11731, 11733..11774, 11778..11861, 11780..11899		

Seq. No.	23118	Seq. ID	OJ990915_04.9B04.C22
Gene No.	48115	Strand	-
Start	1893	End	11899
Name	OJ990915_04.9B04.C22.o1.tw	Method	TBLASTX:Wheat
Start	2422	End	11774
GI	none	Score	165
Exons	2422..2592, 2436..2621, 2448..2606, 2640..2777, 2641..2775, 11370..11507, 11372..11506, 11526..11711, 11541..11699, 11555..11725, 11718..11774, 11735..11773		

Seq. No.	23118	Seq. ID	OJ990915_04.9B04.C22
Gene No.	48115	Strand	-
Start	1893	End	11899
Name	OJ990915_04.9B04.C22.o1.ts	Method	TBLASTX:Soybean
Start	2460	End	11687
GI	none	Score	64
Exons	2460..2564, 2460..2612, 2461..2598, 2647..2910, 2649..2909, 11237..11500, 11238..11498, 11535..11687, 11549..11686		

Seq. No.	23118	Seq. ID	OJ990915_04.9B04.C22
Gene No.	48115	Strand	-
Start	1893	End	11899
Name	OJ990915_04.9B04.C22.o1.tm	Method	TBLASTX:Maize
Start	2490	End	11657
GI	none	Score	80
Exons	2490..2606, 2490..2828, 2491..2826, 2820..2933, 2821..2934, 11213..11326, 11214..11327, 11319..11657, 11321..11656		

Seq. No.	23118	Seq. ID	OJ990915_04.9B04.C22
Gene No.	48115	Strand	-
Start	1893	End	11899
Name	OJ990915_04.9B04.C22.o2.tm	Method	TBLASTX:Maize
Start	3762	End	10367
GI	none	Score	57
Exons	3762..3902, 3766..3849, 3927..4025, 3928..4011, 4014..4082, 10047..10115, 10124..10201, 10125..10202, 10227..10367, 10280..10363		

Seq. No.	23118	Seq. ID	OJ990915_04.9B04.C22
Gene No.	48115	Strand	-
Start	1893	End	11899
Name	OJ990915_04.9B04.C22.o2.ts	Method	TBLASTX:Soybean
Start	4020	End	10109
GI	none	Score	99
Exons	4020..4223, 4021..4206, 4212..4310, 4313..4333, 4314..4334, 9793..9816, 9795..9827, 9825..9917, 9906..10109, 9923..10108		

Seq. No.	23119	Seq. ID	OJ990915_04.9B04.C23
Gene No.	48116	Strand	+

Start	2473	End	2857
Name	OJ990915_04.9B04.C23.o1.np	Method	AAT/NAP
Start	2473	End	2857
GI	4539662	Score	428
Exons	2473..2857		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	23119	Seq. ID	OJ990915_04.9B04.C23
Gene No.	48117	Strand	-
Start	734	End	2024
Name	OJ990915_04.9B04.C23.o1.gs	Method	GENSCAN
Start	734	End	2024
GI	none	Score	.59
Exons	734..817, 1183..1265, 1319..1537, 1619..2024		

Seq. No.	23119	Seq. ID	OJ990915_04.9B04.C23
Gene No.	48118	Strand	-
Start	3982	End	4461
Name	OJ990915_04.9B04.C23.o1.ts	Method	TBLASTX:Soybean
Start	2476	End	2833
GI	none	Score	288
Exons	2476..2598, 2477..2833, 2504..2800		

Seq. No.	23119	Seq. ID	OJ990915_04.9B04.C23
Gene No.	48118	Strand	-
Start	3982	End	4461
Name	OJ990915_04.9B04.C23.o1.tm	Method	TBLASTX:Maize
Start	2512	End	2800
GI	none	Score	282
Exons	2512..2580, 2513..2800, 2635..2733		

Seq. No.	23119	Seq. ID	OJ990915_04.9B04.C23
Gene No.	48118	Strand	-
Start	3982	End	4461
Name	OJ990915_04.9B04.C23.o1.gp	Method	AAT/GAP
Start	3807	End	4184
GI	38597_1.R1084	Score	481
Exons	3807..4184		
GI Descrip.	'4454038/emb CAA23035.1 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		

Seq. No.	23119	Seq. ID	OJ990915_04.9B04.C23
Gene No.	48118	Strand	-
Start	3982	End	4461
Name	OJ990915_04.9B04.C23.o2.gs	Method	GENSCAN
Start	3982	End	4437
GI	none	Score	.96
Exons	3982..4437		

Seq. No.	23119	Seq. ID	OJ990915_04.9B04.C23
Gene No.	48118	Strand	-
Start	3982	End	4461
Name	OJ990915_04.9B04.C23.o2.gp	Method	AAT/GAP
Start	4060	End	4461
GI	none	Score	737
Exons	4060..4461		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48119	Strand	+
Start	1	End	6044
Name	OJ990915_04.9B04.C24.o1.np	Method	AAT/NAP
Start	1	End	6044
GI	5679314	Score	587
Exons	1..46, 3606..4529, 5994..6044		
GI Descrip.	(AF164021) receptor kinase [Oryza sativa]		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48119	Strand	+
Start	1	End	6044
Name	OJ990915_04.9B04.C24.o1.gs	Method	GENSCAN
Start	1162	End	4694
GI	none	Score	.77
Exons	1162..1543, 3424..4694		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48119	Strand	+
Start	1	End	6044
Name	OJ990915_04.9B04.C24.o1.gp	Method	AAT/GAP
Start	2173	End	2510
GI	none	Score	506
Exons	2173..2510		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48119	Strand	+
Start	1	End	6044
Name	OJ990915_04.9B04.C24.o2.gp	Method	AAT/GAP
Start	3255	End	3745
GI	none	Score	725
Exons	3255..3326, 3424..3745		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48119	Strand	+
Start	1	End	6044
Name	OJ990915_04.9B04.C24.o3.gp	Method	AAT/GAP
Start	3895	End	4314
GI	none	Score	840
Exons	3895..4314		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48120	Strand	+
Start	10735	End	11919
Name	OJ990915_04.9B04.C24.o3.gs	Method	GENSCAN
Start	10735	End	11919
GI	none	Score	.51
Exons	10735..11919		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48121	Strand	+
Start	12567	End	15305
Name	OJ990915_04.9B04.C24.o4.gs	Method	GENSCAN
Start	12567	End	15305
GI	none	Score	.79
Exons	12567..12667, 12863..13137, 14177..14267, 15106..15305		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48121	Strand	+
Start	12567	End	15305
Name	OJ990915_04.9B04.C24.o5.gp	Method	AAT/GAP
Start	12793	End	15200
GI	33262_1.R1084	Score	921
Exons	12793..13137, 14177..14267, 15106..15200		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48122	Strand	+
Start	15297	End	15428
Name	OJ990915_04.9B04.C24.o6.gp	Method	AAT/GAP
Start	15297	End	15428
GI	uC-osflM202081a05b1	Score	240
Exons	15297..15428		
GI Descrip.	'2832605/emb CAA16546.1 2.0e-09 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48123	Strand	-
Start	5625	End	11814
Name	OJ990915_04.9B04.C24.o2.tw	Method	TBLASTX:Wheat
Start	3423	End	10986
GI	none	Score	50
Exons	3423..3740, 3425..3490, 3516..3740, 6557..6649, 6559..6663, 6564..6710, 6597..6704, 10833..10913, 10834..10986		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48123	Strand	-
Start	5625	End	11814
Name	OJ990915_04.9B04.C24.o2.tm	Method	TBLASTX:Maize
Start	3591	End	11457
GI	none	Score	105
Exons	3591..3749, 3800..3910, 3801..3944, 3969..4214, 3980..4210, 6084..6317, 6088..6117, 6181..6318, 6348..6497, 6367..6510, 6549..6656, 10894..10986, 10993..11025, 11053..11196, 11058..11177, 11224..11457, 11250..11453		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48123	Strand	-
Start	5625	End	11814
Name	OJ990915_04.9B04.C24.o1.ts	Method	TBLASTX:Soybean
Start	3606	End	11760
GI	none	Score	112
Exons	3606..3782, 3698..3784, 3762..3959, 3954..4217, 4007..4216, 4233..4364, 4409..4516, 4410..4523, 5754..5831, 5994..6068, 6081..6317, 6082..6312, 6330..6497, 6496..6603, 6498..6650, 10858..11028, 11053..11199, 11218..11460, 11250..11387, 11427..11459, 11473..11607, 11650..11760		

Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48123	Strand	-
Start	5625	End	11814
Name	OJ990915_04.9B04.C24.o1.tc	Method	TBLASTX:Cress
Start	3747	End	11790

GI	none	Score	118
Exons	3747..3941, 3803..3907, 3969..4175, 3998..4153, 4182..4298, 4184..4264, 4331..4546, 4332..4547, 5724..5828, 5734..5832, 5997..6116, 6046..6114, 6123..6323, 6178..6300, 6244..6501, 6342..6500, 6546..6647, 6556..6603, 10903..10998, 11050..11193, 11058..11177, 11218..11418, 11241..11396, 11425..11544, 11427..11528, 11575..11790, 11653..11775		
Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48123	Strand	-
Start	5625	End	11814
Name	OJ990915_04.9B04.C24.o1.tw	Method	TBLASTX:Wheat
Start	3813	End	11454
GI	none	Score	124
Exons	3813..3947, 3975..4211, 3998..4150, 6087..6323, 6205..6300, 6354..6485, 6355..6486, 11064..11177, 11065..11454, 11241..11393		
Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48123	Strand	-
Start	5625	End	11814
Name	OJ990915_04.9B04.C24.o1.tm	Method	TBLASTX:Maize
Start	4214	End	11814
GI	none	Score	129
Exons	4214..4267, 4215..4307, 4322..4546, 4323..4559, 5710..5835, 5712..5837, 5910..5960, 5923..5958, 5991..6083, 6046..6084, 11457..11567, 11458..11562, 11497..11814, 11566..11811		
Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48123	Strand	-
Start	5625	End	11814
Name	OJ990915_04.9B04.C24.o2.gs	Method	GENSCAN
Start	5625	End	7008
GI	none	Score	.81
Exons	5625..6883, 6972..7008		
Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48123	Strand	-
Start	5625	End	11814
Name	OJ990915_04.9B04.C24.o4.gp	Method	AAT/GAP
Start	6600	End	6903
GI	426545	Score	504
Exons	6600..6903		
Seq. No.	23120	Seq. ID	OJ990915_04.9B04.C24
Gene No.	48124	Strand	-
Start	12846	End	15427
Name	OJ990915_04.9B04.C24.o3.tm	Method	TBLASTX:Maize
Start	12846	End	15427
GI	none	Score	64
Exons	12846..12923, 13016..13087, 13029..13079, 14176..14268, 14203..14271, 15083..15154, 15098..15157, 15163..15297, 15164..15283, 15178..15297, 15292..15423, 15304..15423, 15329..15427		
Seq. No.	23121	Seq. ID	OJ990915_01.9B01.C1
Gene No.	48125	Strand	-
Start	1	End	1005

Name	OJ990915_01.9B01.C1.o1.np	Method	AAT/NAP
Start	1	End	1005
GI	6006374	Score	1623
Exons	1..1005		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	23122	Seq. ID	OJ990915_01.9B01.C2
Gene No.	48126	Strand	+
Start	135	End	357
Name	OJ990915_01.9B01.C2.o1.gs	Method	GENSCAN
Start	135	End	357
GI	none	Score	.44
Exons	135..212, 286..357		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48127	Strand	+
Start	216	End	1471
Name	OJ990915_01.9B01.C3.o1.gs	Method	GENSCAN
Start	216	End	1471
GI	none	Score	.67
Exons	216..349, 1089..1471		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48128	Strand	+
Start	4685	End	5874
Name	OJ990915_01.9B01.C3.o2.np	Method	AAT/NAP
Start	4685	End	5874
GI	5679314	Score	1270
Exons	4685..5455, 5792..5874		
GI Descrip.	(AF164021) receptor kinase [Oryza sativa]		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48128	Strand	+
Start	4685	End	5874
Name	OJ990915_01.9B01.C3.o3.gs	Method	GENSCAN
Start	4685	End	5455
GI	none	Score	.9
Exons	4685..5455		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48129	Strand	-
Start	1628	End	5167
Name	OJ990915_01.9B01.C3.o1.np	Method	AAT/NAP
Start	1628	End	3893
GI	5669665	Score	2081
Exons	1628..2730, 2842..2971, 3142..3893		
GI Descrip.	(AF100766) receptor-like kinase [Oryza sativa]		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48129	Strand	-
Start	1628	End	5167
Name	OJ990915_01.9B01.C3.o1.tc	Method	TBLASTX:Cress
Start	1685	End	2602
GI	none	Score	142
Exons	1685..1837, 1913..1948, 1971..2075, 1973..2290, 1980..2225, 2313..2459, 2313..2453, 2315..2497, 2510..2602		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48129	Strand	-
Start	1628	End	5167
Name	OJ990915_01.9B01.C3.o3.tm	Method	TBLASTX:Maize
Start	1688	End	2048
GI	none	Score	167
Exons	1688..1855, 1697..1858, 1902..2048, 1904..2047		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48129	Strand	-
Start	1628	End	5167
Name	OJ990915_01.9B01.C3.o2.tw	Method	TBLASTX:Wheat
Start	1710	End	2050
GI	none	Score	119
Exons	1710..1838, 1718..1846, 1871..2050		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48129	Strand	-
Start	1628	End	5167
Name	OJ990915_01.9B01.C3.o1.ts	Method	TBLASTX:Soybean
Start	1715	End	2644
GI	none	Score	64
Exons	1715..1849, 1721..1825, 1904..2299, 1953..2297, 2309..2644, 2322..2459		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48129	Strand	-
Start	1628	End	5167
Name	OJ990915_01.9B01.C3.o1.tm	Method	TBLASTX:Maize
Start	2048	End	2732
GI	none	Score	507
Exons	2048..2515, 2049..2459, 2051..2512, 2510..2731, 2521..2724, 2571..2732		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48129	Strand	-
Start	1628	End	5167
Name	OJ990915_01.9B01.C3.o1.tw	Method	TBLASTX:Wheat
Start	2051	End	2443
GI	none	Score	57
Exons	2051..2290, 2130..2273, 2286..2441, 2303..2443		

Seq. No.	23123	Seq. ID	OJ990915_01.9B01.C3
Gene No.	48129	Strand	-
Start	1628	End	5167
Name	OJ990915_01.9B01.C3.o2.tm	Method	TBLASTX:Maize
Start	3669	End	5167
GI	none	Score	447
Exons	3669..3752, 4745..5107, 4746..5063, 4789..5103, 5110..5166, 5114..5167		

Seq. No.	23124	Seq. ID	OJ990915_01.9B01.C4
Gene No.	48130	Strand	+
Start	127	End	2044
Name	OJ990915_01.9B01.C4.o1.gp	Method	AAT/GAP
Start	127	End	2044

GI 833.1.R1084 Score 2924
 Exons 127..164, 189..292, 509..532, 639..2044
 GI Descrip. '2832304 0.0e+00 (AF044489) receptor-like protein kinase [Oryza sativa]'

Seq. No. 23124 Seq. ID OJ990915_01.9B01.C4
 Gene No. 48130 Strand +
 Start 127 End 2044
 Name OJ990915_01.9B01.C4.o1.np Method AAT/NAP
 Start 153 End 1708
 GI 2832304 Score 1970
 Exons 153..292, 509..532, 639..1708
 GI Descrip. (AF044489) receptor-like protein kinase [Oryza sativa]

Seq. No. 23124 Seq. ID OJ990915_01.9B01.C4
 Gene No. 48130 Strand +
 Start 127 End 2044
 Name OJ990915_01.9B01.C4.o1.gs Method GENSCAN
 Start 268 End 1711
 GI none Score .92
 Exons 268..292, 509..532, 639..1711

Seq. No. 23124 Seq. ID OJ990915_01.9B01.C4
 Gene No. 48131 Strand -
 Start 2008 End 2391
 Name OJ990915_01.9B01.C4.o1.tm Method TBLASTX:Maize
 Start 715 End 1351
 GI none Score 110
 Exons 715..885, 740..883, 868..1068, 872..1105, 884..1072, 1112..1351, 1112..1336, 1240..1350

Seq. No. 23124 Seq. ID OJ990915_01.9B01.C4
 Gene No. 48131 Strand -
 Start 2008 End 2391
 Name OJ990915_01.9B01.C4.o1.ts Method TBLASTX:Soybean
 Start 740 End 1690
 GI none Score 345
 Exons 740..1081, 742..1068, 1118..1690, 1135..1188, 1139..1489, 1243..1679

Seq. No. 23124 Seq. ID OJ990915_01.9B01.C4
 Gene No. 48131 Strand -
 Start 2008 End 2391
 Name OJ990915_01.9B01.C4.o1.tc Method TBLASTX:Cress
 Start 782 End 1705
 GI none Score 92
 Exons 782..874, 799..867, 868..1137, 878..1069, 1111..1413, 1112..1426, 1154..1420, 1451..1507, 1532..1705, 1570..1680

Seq. No. 23124 Seq. ID OJ990915_01.9B01.C4
 Gene No. 48131 Strand -
 Start 2008 End 2391
 Name OJ990915_01.9B01.C4.o1.tw Method TBLASTX:Wheat
 Start 944 End 1348
 GI none Score 114
 Exons 944..1072, 1124..1348, 1124..1270

Seq. No.	23124	Seq. ID	OJ990915_01.9B01.C4
Gene No.	48131	Strand	-
Start	2008	End	2391
Name	OJ990915_01.9B01.C4.o2.tw	Method	TBLASTX:Wheat
Start	1349	End	1687
GI	none	Score	111
Exons	1349..1495, 1357..1416, 1510..1671, 1547..1687		

Seq. No.	23124	Seq. ID	OJ990915_01.9B01.C4
Gene No.	48131	Strand	-
Start	2008	End	2391
Name	OJ990915_01.9B01.C4.o2.tm	Method	TBLASTX:Maize
Start	1377	End	1737
GI	none	Score	202
Exons	1377..1634, 1378..1677, 1379..1681, 1543..1737		

Seq. No.	23124	Seq. ID	OJ990915_01.9B01.C4
Gene No.	48131	Strand	-
Start	2008	End	2391
Name	OJ990915_01.9B01.C4.o2.gs	Method	GENSCAN
Start	2008	End	2391
GI	none	Score	.9
Exons	2008..2174, 2325..2391		

Seq. No.	23125	Seq. ID	OJ990915_01.9B01.C5
Gene No.	48132	Strand	+
Start	6858	End	7908
Name	OJ990915_01.9B01.C5.o2.np	Method	AAT/NAP
Start	6858	End	7908
GI	1680686	Score	324
Exons	6858..7309, 7346..7908		
GI Descrip.	(U51330) rust resistance kinase Lr10 [Triticum aestivum]		

Seq. No.	23125	Seq. ID	OJ990915_01.9B01.C5
Gene No.	48133	Strand	-
Start	141	End	7174
Name	OJ990915_01.9B01.C5.o1.gs	Method	GENSCAN
Start	141	End	7174
GI	none	Score	.44
Exons	141..1108, 1269..1495, 1826..1956, 2938..3292, 3882..4833, 4959..4991, 7023..7082, 7135..7174		

Seq. No.	23125	Seq. ID	OJ990915_01.9B01.C5
Gene No.	48133	Strand	-
Start	141	End	7174
Name	OJ990915_01.9B01.C5.o1.np	Method	AAT/NAP
Start	144	End	4684
GI	5669663	Score	1756
Exons	144..1462, 3882..4219, 4256..4684		
GI Descrip.	(AF100765) receptor-like kinase [Oryza sativa]		

Seq. No.	23125	Seq. ID	OJ990915_01.9B01.C5
Gene No.	48133	Strand	-
Start	141	End	7174
Name	OJ990915_01.9B01.C5.o2.tm	Method	TBLASTX:Maize
Start	252	End	600
GI	none	Score	52

Exons 252..452, 260..415, 261..416, 480..599, 504..599, 511..600

Seq. No.	23125	Seq. ID	OJ990915_01.9B01.C5
Gene No.	48133	Strand	-
Start	141	End	7174
Name	OJ990915_01.9B01.C5.o1.tc	Method	TBLASTX:Cress
Start	268	End	1113
GI	none	Score	67
Exons	268..423, 273..395, 462..506, 525..770, 532..774, 868..1014, 870..1025, 1036..1113		

Seq. No.	23125	Seq. ID	OJ990915_01.9B01.C5
Gene No.	48133	Strand	-
Start	141	End	7174
Name	OJ990915_01.9B01.C5.o1.ts	Method	TBLASTX:Soybean
Start	273	End	1041
GI	none	Score	69
Exons	273..407, 285..371, 331..432, 501..785, 505..786, 864..1028, 871..1041		

Seq. No.	23125	Seq. ID	OJ990915_01.9B01.C5
Gene No.	48133	Strand	-
Start	141	End	7174
Name	OJ990915_01.9B01.C5.o1.tw	Method	TBLASTX:Wheat
Start	519	End	1064
GI	none	Score	66
Exons	519..593, 600..773, 613..768, 813..914, 909..1064		

Seq. No.	23125	Seq. ID	OJ990915_01.9B01.C5
Gene No.	48133	Strand	-
Start	141	End	7174
Name	OJ990915_01.9B01.C5.o1.tm	Method	TBLASTX:Maize
Start	600	End	1165
GI	none	Score	181
Exons	600..782, 601..783, 685..795, 805..1002, 807..1031, 807..1031, 808..1035, 1023..1070, 1035..1109, 1036..1110, 1109..1165		

Seq. No.	23126	Seq. ID	OJ990915_01.9B01.C6
Gene No.	48134	Strand	+
Start	253	End	1918
Name	OJ990915_01.9B01.C6.o1.gs	Method	GENSCAN
Start	253	End	1760
GI	none	Score	.63
Exons	253..259, 850..1760		

Seq. No.	23126	Seq. ID	OJ990915_01.9B01.C6
Gene No.	48134	Strand	+
Start	253	End	1918
Name	OJ990915_01.9B01.C6.o1.np	Method	AAT/NAP
Start	835	End	1918
GI	5679314	Score	1463
Exons	835..1918		
GI Descrip.	(AF164021) receptor kinase [Oryza sativa]		

Seq. No.	23126	Seq. ID	OJ990915_01.9B01.C6
Gene No.	48135	Strand	-
Start	3710	End	6782

Name	OJ990915_01.9B01.C6.o1.tm	Method	TBLASTX:Maize
Start	950	End	4838
GI	none	Score	118
Exons	950..1120, 951..1094, 1083..1316, 1086..1253, 1100..1291, 1299..1562, 1334..1384, 1451..1549, 4148..4576, 4149..4577, 4546..4833, 4568..4837, 4581..4637, 4583..4831, 4677..4838		

Seq. No.	23126	Seq. ID	OJ990915_01.9B01.C6
Gene No.	48135	Strand	-
Start	3710	End	6782
Name	OJ990915_01.9B01.C6.o1.ts	Method	TBLASTX:Soybean
Start	951	End	4750
GI	none	Score	352
Exons	951..1313, 953..1279, 1323..1751, 1346..1399, 1356..1547, 1454..1753, 1756..1896, 1766..1897, 3827..3961, 3828..3986, 4004..4381, 4014..4364, 4409..4582, 4422..4571, 4607..4750		

Seq. No.	23126	Seq. ID	OJ990915_01.9B01.C6
Gene No.	48135	Strand	-
Start	3710	End	6782
Name	OJ990915_01.9B01.C6.o1.tc	Method	TBLASTX:Cress
Start	993	End	4708
GI	none	Score	104
Exons	993..1085, 1082..1279, 1089..1280, 1323..1637, 1334..1624, 1653..1700, 1677..1697, 1766..1918, 1780..1923, 3810..3992, 3827..3949, 3947..4048, 4071..4301, 4073..4387, 4080..4370, 4413..4559, 4415..4561, 4415..4570, 4580..4708		

Seq. No.	23126	Seq. ID	OJ990915_01.9B01.C6
Gene No.	48135	Strand	-
Start	3710	End	6782
Name	OJ990915_01.9B01.C6.o1.tw	Method	TBLASTX:Wheat
Start	1154	End	4543
GI	none	Score	110
Exons	1154..1222, 1155..1283, 1311..1559, 1335..1478, 1523..1558, 4151..4372, 4412..4543		

Seq. No.	23126	Seq. ID	OJ990915_01.9B01.C6
Gene No.	48135	Strand	-
Start	3710	End	6782
Name	OJ990915_01.9B01.C6.o2.tw	Method	TBLASTX:Wheat
Start	1560	End	4150
GI	none	Score	107
Exons	1560..1700, 1750..1881, 1763..1897, 3822..3968, 3830..4150		

Seq. No.	23126	Seq. ID	OJ990915_01.9B01.C6
Gene No.	48135	Strand	-
Start	3710	End	6782
Name	OJ990915_01.9B01.C6.o2.tm	Method	TBLASTX:Maize
Start	1563	End	4148
GI	none	Score	146
Exons	1563..1706, 1565..1651, 1766..1891, 3809..4147, 3810..4148		

Seq. No.	23126	Seq. ID	OJ990915_01.9B01.C6
Gene No.	48135	Strand	-
Start	3710	End	6782
Name	OJ990915_01.9B01.C6.o1.gp	Method	AAT/GAP

Start 3504
GI 3768638
Exons 3504..4009

End 4009
Score 717

Seq. No. 23126 Seq. ID OJ990915_01.9B01.C6
Gene No. 48135 Strand -
Start 3710 End 6782
Name OJ990915_01.9B01.C6.o2.gs Method GENSCAN
Start 3710 End 6782
GI none Score .89
Exons 3710..4836, 4909..5093, 5181..5880, 6627..6782

Seq. No. 23126 Seq. ID OJ990915_01.9B01.C6
Gene No. 48135 Strand -
Start 3710 End 6782
Name OJ990915_01.9B01.C6.o2.np Method AAT/NAP
Start 3797 End 5956
GI 5679312 Score 1823
Exons 3797..4880, 5181..5821, 5849..5956
GI Descrip. (AF164020) receptor kinase [Oryza sativa]

Seq. No. 23127 Seq. ID OJ990915_01.9B01.C7
Gene No. 48136 Strand +
Start 1 End 2105
Name OJ990915_01.9B01.C7.o1.np Method AAT/NAP
Start 1 End 2081
GI 5679314 Score 1597
Exons 1..284, 948..2081
GI Descrip. (AF164021) receptor kinase [Oryza sativa]

Seq. No. 23127 Seq. ID OJ990915_01.9B01.C7
Gene No. 48136 Strand +
Start 1 End 2105
Name OJ990915_01.9B01.C7.o1.gs Method GENSCAN
Start 171 End 2105
GI none Score .66
Exons 171..227, 811..834, 1236..2105

Seq. No. 23127 Seq. ID OJ990915_01.9B01.C7
Gene No. 48136 Strand +
Start 1 End 2105
Name OJ990915_01.9B01.C7.o1.tm Method TBLASTX:Maize
Start 1085 End 1721
GI none Score 78
Exons 1085..1255, 1110..1253, 1238..1444, 1242..1445, 1270..1473, 1481..1720, 1482..1721

Seq. No. 23127 Seq. ID OJ990915_01.9B01.C7
Gene No. 48136 Strand +
Start 1 End 2105
Name OJ990915_01.9B01.C7.o1.ts Method TBLASTX:Soybean
Start 1110 End 2039
GI none Score 330
Exons 1110..1454, 1112..1453, 1488..2039, 1496..1807, 1515..1808, 1895..2038

Seq. No. 23127 Seq. ID OJ990915_01.9B01.C7

Gene No.	48136	Strand	+
Start	1	End	2105
Name	OJ990915_01.9B01.C7.o1.tc	Method	TBLASTX:Cress
Start	1152	End	2039
GI	none	Score	74
Exons	1152..1244, 1238..1438, 1248..1439, 1481..1783, 1482..1796, 1494..1790, 1884..2039		

Seq. No.	23127	Seq. ID	OJ990915_01.9B01.C7
Gene No.	48136	Strand	+
Start	1	End	2105
Name	OJ990915_01.9B01.C7.o1.tw	Method	TBLASTX:Wheat
Start	1314	End	1718
GI	none	Score	115
Exons	1314..1442, 1494..1718		

Seq. No.	23127	Seq. ID	OJ990915_01.9B01.C7
Gene No.	48136	Strand	+
Start	1	End	2105
Name	OJ990915_01.9B01.C7.o2.tm	Method	TBLASTX:Maize
Start	1748	End	2039
GI	none	Score	379
Exons	1748..2038, 1749..2039		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48137	Strand	+
Start	1	End	799
Name	OJ990915_01.9B01.C8.o1.np	Method	AAT/NAP
Start	1	End	799
GI	5679314	Score	1027
Exons	1..799		
GI Descrip.	(AF164021) receptor kinase [Oryza sativa]		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48138	Strand	+
Start	6294	End	6996
Name	OJ990915_01.9B01.C8.o4.np	Method	AAT/NAP
Start	6294	End	6996
GI	6498436	Score	394
Exons	6294..6613, 6878..6996		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48139	Strand	-
Start	1738	End	4159
Name	OJ990915_01.9B01.C8.o2.np	Method	AAT/NAP
Start	1738	End	4159
GI	3063699	Score	124
Exons	1738..1786, 2123..2271, 2351..2647, 4008..4159		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48140	Strand	-
Start	5928	End	7668
Name	OJ990915_01.9B01.C8.o1.ts	Method	TBLASTX:Soybean
Start	1	End	778
GI	none	Score	79

Exons 1..72, 2..67, 64..150, 65..193, 203..778, 226..279, 236..427, 334..528

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48140	Strand	-
Start	5928	End	7668
Name	OJ990915_01.9B01.C8.o2.tm	Method	TBLASTX:Maize
Start	1	End	307
GI	none	Score	79
Exons	1..72, 2..67, 50..160, 73..165, 206..307, 208..282, 230..307		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48140	Strand	-
Start	5928	End	7668
Name	OJ990915_01.9B01.C8.o1.tc	Method	TBLASTX:Cress
Start	7	End	799
GI	none	Score	62
Exons	7..66, 8..67, 64..159, 65..160, 196..354, 203..550, 214..504, 605..799		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48140	Strand	-
Start	5928	End	7668
Name	OJ990915_01.9B01.C8.o1.tw	Method	TBLASTX:Wheat
Start	65	End	439
GI	none	Score	88
Exons	65..163, 67..102, 191..439, 215..358, 403..438		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48140	Strand	-
Start	5928	End	7668
Name	OJ990915_01.9B01.C8.o2.tw	Method	TBLASTX:Wheat
Start	440	End	778
GI	none	Score	99
Exons	440..580, 605..778		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48140	Strand	-
Start	5928	End	7668
Name	OJ990915_01.9B01.C8.o1.tm	Method	TBLASTX:Maize
Start	468	End	816
GI	none	Score	151
Exons	468..623, 469..816, 470..802, 654..809		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48140	Strand	-
Start	5928	End	7668
Name	OJ990915_01.9B01.C8.o3.np	Method	AAT/NAP
Start	5928	End	7668
GI	6907106	Score	127
Exons	5928..6138, 7600..7668		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23128	Seq. ID	OJ990915_01.9B01.C8
Gene No.	48140	Strand	-
Start	5928	End	7668

Name	OJ990915_01.9B01.C8.o5.np	Method	AAT/NAP
Start	6082	End	7668
GI	6016874	Score	285
Exons	6082..6157, 7350..7668		
GI Descrip.	(AP000570) ESTs C19143(E10020), D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	23129	Seq. ID	OJ990915_01.9B01.C9
Gene No.	48141	Strand	+
Start	8895	End	11867
Name	OJ990915_01.9B01.C9.o2.gs	Method	GENSCAN
Start	8895	End	11867
GI	none	Score	.41
Exons	8895..9025, 10215..10268, 10367..10553, 11441..11867		

Seq. No.	23129	Seq. ID	OJ990915_01.9B01.C9
Gene No.	48141	Strand	+
Start	8895	End	11867
Name	OJ990915_01.9B01.C9.o1.np	Method	AAT/NAP
Start	10211	End	11823
GI	5852180	Score	428
Exons	10211..10268, 11252..11370, 11422..11823		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	23129	Seq. ID	OJ990915_01.9B01.C9
Gene No.	48142	Strand	-
Start	10117	End	10496
Name	OJ990915_01.9B01.C9.o1.gp	Method	AAT/GAP
Start	10117	End	10496
GI	uC-osflcyp033a04b1	Score	635
Exons	10117..10496		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	23130	Seq. ID	OJ990915_01.9B01.C10
Gene No.	48143	Strand	-
Start	1	End	1594
Name	OJ990915_01.9B01.C10.o1.np	Method	AAT/NAP
Start	1	End	1594
GI	5042454	Score	90
Exons	1..88, 1147..1228, 1539..1594		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23130	Seq. ID	OJ990915_01.9B01.C10
Gene No.	48143	Strand	-
Start	1	End	1594
Name	OJ990915_01.9B01.C10.o1.gs	Method	GENSCAN
Start	439	End	1341
GI	none	Score	.65
Exons	439..616, 898..962, 1256..1341		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48144	Strand	+
Start	1723	End	8187
Name	OJ990915_01.9B01.C11.o1.gs	Method	GENSCAN
Start	1723	End	3637

GI none Score .52
Exons 1723..2292, 2666..2726, 3019..3262, 3355..3637

Seq. No. 23131 Seq. ID OJ990915_01.9B01.C11
Gene No. 48144 Strand +
Start 1723 End 8187
Name OJ990915_01.9B01.C11.o1.np Method AAT/NAP
Start 1723 End 8184
GI 6907089 Score 4206
Exons 1723..2301, 5458..6140, 6240..8184
GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 23131 Seq. ID OJ990915_01.9B01.C11
Gene No. 48144 Strand +
Start 1723 End 8187
Name OJ990915_01.9B01.C11.o2.gs Method GENSCAN
Start 4599 End 8187
GI none Score .55
Exons 4599..4703, 5422..5827, 5972..6140, 6240..8187

Seq. No. 23131 Seq. ID OJ990915_01.9B01.C11
Gene No. 48145 Strand +
Start 15035 End 15196
Name OJ990915_01.9B01.C11.o4.np Method AAT/NAP
Start 15035 End 15196
GI 5922623 Score 97
Exons 15035..15196
GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No. 23131 Seq. ID OJ990915_01.9B01.C11
Gene No. 48146 Strand -
Start 8807 End 15196
Name OJ990915_01.9B01.C11.o7.tw Method TBLASTX:Wheat
Start 1594 End 9418
GI none Score 83
Exons 1594..1683, 8816..8941, 8820..8942, 9134..9418, 9135..9413

Seq. No. 23131 Seq. ID OJ990915_01.9B01.C11
Gene No. 48146 Strand -
Start 8807 End 15196
Name OJ990915_01.9B01.C11.o3.tw Method TBLASTX:Wheat
Start 1855 End 13175
GI none Score 165
Exons 1855..1959, 4533..4634, 12692..13174, 12720..12980, 13002..13175

Seq. No. 23131 Seq. ID OJ990915_01.9B01.C11
Gene No. 48146 Strand -
Start 8807 End 15196
Name OJ990915_01.9B01.C11.o5.tm Method TBLASTX:Maize
Start 8766 End 8947
GI none Score 129
Exons 8766..8942, 8780..8947

Seq. No. 23131 Seq. ID OJ990915_01.9B01.C11
Gene No. 48146 Strand -

Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o2.np	Method	AAT/NAP
Start	8807	End	14452
GI	6498441	Score	6766
Exons	8807..9088, 9182..10579, 10751..11233, 11426..11666, 11841..11975, 12159..12532, 12596..13059, 13390..14452		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o4.tw	Method	TBLASTX:Wheat
Start	9419	End	9800
GI	none	Score	165
Exons	9419..9799, 9450..9698, 9744..9800		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o2.tm	Method	TBLASTX:Maize
Start	9614	End	9937
GI	none	Score	192
Exons	9614..9937, 9627..9908		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o8.tw	Method	TBLASTX:Wheat
Start	10130	End	10442
GI	none	Score	67
Exons	10130..10390, 10266..10442		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o3.ts	Method	TBLASTX:Soybean
Start	10190	End	10756
GI	5666795	Score	68
Exons	10190..10390, 10445..10579, 10658..10756		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o5.tw	Method	TBLASTX:Wheat
Start	10445	End	10906
GI	none	Score	92
Exons	10445..10594, 10446..10583, 10641..10814, 10655..10906, 10655..10879		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o3.np	Method	AAT/NAP
Start	11224	End	15196

GI 1903264 Score 33
 Exons 11224..11310, 12642..12665, 14540..14582, 14845..14976,
 15096..15196

GI Descrip. (Y11824) hypothetical protein [Pisum sativum]

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o1.ts	Method	TBLASTX:Soybean
Start	11504	End	11875
GI	none	Score	90
Exons	11504..11875, 11715..11858		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o2.tw	Method	TBLASTX:Wheat
Start	11529	End	11954
GI	none	Score	333
Exons	11529..11954, 11534..11953		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o3.tm	Method	TBLASTX:Maize
Start	11627	End	12011
GI	none	Score	226
Exons	11627..12010, 11646..12011		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o1.tm	Method	TBLASTX:Maize
Start	12038	End	12394
GI	none	Score	116
Exons	12038..12343, 12038..12394, 12048..12359		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o1.tw	Method	TBLASTX:Wheat
Start	12062	End	12525
GI	none	Score	400
Exons	12062..12523, 12063..12524, 12082..12525		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o2.ts	Method	TBLASTX:Soybean
Start	12119	End	12484
GI	none	Score	117
Exons	12119..12253, 12260..12484		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o4.gs	Method	GENSCAN

Start	12533	End	15134
GI	none	Score	.4
Exons	12533..13876, 13894..14976, 15032..15134		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o6.tw	Method	TBLASTX:Wheat
Start	13912	End	14304
GI	none	Score	86
Exons	13912..14169, 14024..14185, 14152..14250, 14153..14233, 14257..14304		

Seq. No.	23131	Seq. ID	OJ990915_01.9B01.C11
Gene No.	48146	Strand	-
Start	8807	End	15196
Name	OJ990915_01.9B01.C11.o4.tm	Method	TBLASTX:Maize
Start	14014	End	14299
GI	none	Score	89
Exons	14014..14262, 14015..14299		

Seq. No.	23132	Seq. ID	OJ990915_01.9B01.C12
Gene No.	48147	Strand	+
Start	3143	End	5755
Name	OJ990915_01.9B01.C12.o1.np	Method	AAT/NAP
Start	3128	End	5755
GI	4234852	Score	2206
Exons	3128..5755		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	23132	Seq. ID	OJ990915_01.9B01.C12
Gene No.	48147	Strand	+
Start	3143	End	5755
Name	OJ990915_01.9B01.C12.o2.gs	Method	GENSCAN
Start	3143	End	5726
GI	none	Score	.55
Exons	3143..4295, 4572..4701, 4891..5029, 5343..5726		

Seq. No.	23132	Seq. ID	OJ990915_01.9B01.C12
Gene No.	48147	Strand	+
Start	3143	End	5755
Name	OJ990915_01.9B01.C12.o1.tm	Method	TBLASTX:Maize
Start	3278	End	4176
GI	none	Score	220
Exons	3278..3505, 3292..3504, 3521..3754, 3523..3711, 3530..3715, 3648..3731, 3887..3991, 4102..4176		

Seq. No.	23132	Seq. ID	OJ990915_01.9B01.C12
Gene No.	48147	Strand	+
Start	3143	End	5755
Name	OJ990915_01.9B01.C12.o1.ts	Method	TBLASTX:Soybean
Start	4589	End	4935
GI	none	Score	102
Exons	4589..4690, 4696..4935, 4724..4933		

Seq. No.	23132	Seq. ID	OJ990915_01.9B01.C12
Gene No.	48147	Strand	+

Start	3143	End	5755
Name	OJ990915_01.9B01.C12.o1.tw	Method	TBLASTX:Wheat
Start	4642	End	5304
GI	none	Score	247
Exons	4642..4881, 4643..4882, 4922..5095, 4933..5034, 4982..5113, 5104..5226, 5206..5304		

Seq. No.	23132	Seq. ID	OJ990915_01.9B01.C12
Gene No.	48147	Strand	+
Start	3143	End	5755
Name	OJ990915_01.9B01.C12.o2.tm	Method	TBLASTX:Maize
Start	4658	End	5095
GI	none	Score	119
Exons	4658..4882, 4931..5095, 4933..5094		

Seq. No.	23132	Seq. ID	OJ990915_01.9B01.C12
Gene No.	48147	Strand	+
Start	3143	End	5755
Name	OJ990915_01.9B01.C12.o1.tc	Method	TBLASTX:Cress
Start	4922	End	5301
GI	none	Score	115
Exons	4922..5095, 5134..5301		

Seq. No.	23132	Seq. ID	OJ990915_01.9B01.C12
Gene No.	48147	Strand	+
Start	3143	End	5755
Name	OJ990915_01.9B01.C12.o2.ts	Method	TBLASTX:Soybean
Start	4937	End	5307
GI	none	Score	142
Exons	4937..5107, 4978..5094, 5101..5130, 5134..5307		

Seq. No.	23133	Seq. ID	OJ990915_01.9B01.C13
Gene No.	48148	Strand	+
Start	1	End	721
Name	OJ990915_01.9B01.C13.o1.np	Method	AAT/NAP
Start	1	End	721
GI	4234852	Score	985
Exons	1..721		
GI Descrip.	(AF082133) gag-pol polyprotein[Zea mays]		

Seq. No.	23133	Seq. ID	OJ990915_01.9B01.C13
Gene No.	48148	Strand	+
Start	1	End	721
Name	OJ990915_01.9B01.C13.o1.tw	Method	TBLASTX:Wheat
Start	19	End	561
GI	none	Score	103
Exons	19..111, 26..115, 44..124, 101..550, 103..201, 177..326, 256..387, 347..547, 448..561		

Seq. No.	23133	Seq. ID	OJ990915_01.9B01.C13
Gene No.	48148	Strand	+
Start	1	End	721
Name	OJ990915_01.9B01.C13.o1.tm	Method	TBLASTX:Maize
Start	233	End	664
GI	none	Score	260
Exons	233..376, 350..664, 448..645		

Seq. No.	23134	Seq. ID	OJ990915_01.9B01.C15
Gene No.	48149	Strand	-
Start	1	End	210
Name	OJ990915_01.9B01.C15.o1.np	Method	AAT/NAP
Start	1	End	210
GI	6069646	Score	144
Exons	1..210		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23135	Seq. ID	OJ990915_01.9B01.C16
Gene No.	48150	Strand	+
Start	246	End	2110
Name	OJ990915_01.9B01.C16.o1.np	Method	AAT/NAP
Start	246	End	2110
GI	5499713	Score	1453
Exons	246..940, 1000..1211, 1292..2110		
GI Descrip.	(U78762) receptor-like kinase ARK1AS [Triticum aestivum]		

Seq. No.	23135	Seq. ID	OJ990915_01.9B01.C16
Gene No.	48150	Strand	+
Start	246	End	2110
Name	OJ990915_01.9B01.C16.o2.tm	Method	TBLASTX:Maize
Start	306	End	548
GI	none	Score	160
Exons	306..482, 323..418, 346..474, 354..482, 473..547, 483..548		

Seq. No.	23135	Seq. ID	OJ990915_01.9B01.C16
Gene No.	48150	Strand	+
Start	246	End	2110
Name	OJ990915_01.9B01.C16.o1.gp	Method	AAT/GAP
Start	396	End	850
GI	2312732	Score	850
Exons	396..850		
GI Descrip.	5669674/gb AAD46420.1 AF100771_1 1.0e-32 (AF100771) receptor-like kinase [Hordeum vulgare]		

Seq. No.	23135	Seq. ID	OJ990915_01.9B01.C16
Gene No.	48150	Strand	+
Start	246	End	2110
Name	OJ990915_01.9B01.C16.o1.gs	Method	GENSCAN
Start	616	End	1920
GI	none	Score	.4
Exons	616..959, 1302..1920		

Seq. No.	23135	Seq. ID	OJ990915_01.9B01.C16
Gene No.	48150	Strand	+
Start	246	End	2110
Name	OJ990915_01.9B01.C16.o1.tw	Method	TBLASTX:Wheat
Start	708	End	1971
GI	none	Score	53
Exons	708..806, 1579..1737, 1581..1700, 1726..1971		

Seq. No.	23135	Seq. ID	OJ990915_01.9B01.C16
Gene No.	48150	Strand	+
Start	246	End	2110
Name	OJ990915_01.9B01.C16.o1.tm	Method	TBLASTX:Maize
Start	1290	End	1974
GI	none	Score	275
Exons	1290..1505, 1291..1512, 1376..1534, 1510..1974, 1512..1973		

Seq. No.	23135	Seq. ID	OJ990915_01.9B01.C16
Gene No.	48150	Strand	+
Start	246	End	2110
Name	OJ990915_01.9B01.C16.o1.ts	Method	TBLASTX:Soybean
Start	1345	End	2109
GI	none	Score	304
Exons	1345..1713, 1416..1700, 1482..1718, 1723..2109, 1732..2055, 1758..2060		

Seq. No.	23135	Seq. ID	OJ990915_01.9B01.C16
Gene No.	48150	Strand	+
Start	246	End	2110
Name	OJ990915_01.9B01.C16.o1.tc	Method	TBLASTX:Cress
Start	1417	End	2079
GI	none	Score	99
Exons	1417..1524, 1527..1709, 1528..1707, 1726..2079, 1734..2042		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48151	Strand	+
Start	3212	End	3910
Name	OJ990915_01.9B01.C17.o1.np	Method	AAT/NAP
Start	3212	End	3910
GI	1731426	Score	684
Exons	3212..3910		
GI Descrip.	ZEAMATIN PRECURSOR gi 459170 (U06831) unnamed protein product [Zea mays]		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48152	Strand	+
Start	3980	End	5178
Name	OJ990915_01.9B01.C17.o2.np	Method	AAT/NAP
Start	3980	End	5178
GI	2864613	Score	726
Exons	3980..5178		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi 4049333 emb CAA22558.1 (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48153	Strand	+
Start	8445	End	10342
Name	OJ990915_01.9B01.C17.o3.gs	Method	GENSCAN
Start	8445	End	9139
GI	none	Score	.58
Exons	8445..9139		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48153	Strand	+
Start	8445	End	10342

Name	OJ990915_01.9B01.C17.o4.np	Method	AAT/NAP
Start	8445	End	10342
GI	5523852	Score	475
Exons	8445..9244, 9972..9999, 10226..10342		
GI Descrip.	(AF085164) receptor-like kinase LRK10 [Hordeum vulgare]		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o2.tm	Method	TBLASTX:Maize
Start	3280	End	3910
GI	none	Score	194
Exons	3280..3444, 3299..3445, 3451..3537, 3452..3610, 3556..3609, 3640..3858, 3656..3859, 3845..3907, 3848..3910		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o2.ts	Method	TBLASTX:Soybean
Start	3280	End	3910
GI	none	Score	197
Exons	3280..3453, 3299..3454, 3451..3528, 3452..3607, 3556..3606, 3640..3759, 3659..3757, 3770..3859, 3775..3858, 3848..3910		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o1.tw	Method	TBLASTX:Wheat
Start	3298	End	3736
GI	none	Score	188
Exons	3298..3444, 3299..3445, 3316..3402, 3451..3606, 3452..3607, 3659..3736		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o1.tc	Method	TBLASTX:Cress
Start	3449	End	6652
GI	none	Score	44
Exons	3449..3478, 3509..3601, 3659..3763, 3779..3859, 3848..3940, 4130..4237, 4244..4423, 4285..4422, 4466..4651, 4510..4632, 4642..4698, 4667..4699, 4715..4810, 4729..4827, 4881..5009, 5756..5896, 5789..5890, 5990..6337, 6018..6134, 6026..6325, 6177..6335, 6356..6652, 6357..6485, 6367..6504		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o1.tm	Method	TBLASTX:Maize
Start	4130	End	6830
GI	none	Score	85
Exons	4130..4225, 4232..4435, 4285..4422, 4445..4657, 4504..4656, 4658..4708, 6095..6775, 6095..6781, 6558..6830, 6600..6782		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962

Name	OJ990915_01.9B01.C17.o1.ts	Method	TBLASTX:Soybean
Start	4136	End	6694
GI	none	Score	90
Exons	4136..4231, 4244..4432, 4286..4429, 4454..4651, 4474..4632, 4642..4698, 4670..4699, 4715..4810, 4729..4788, 4935..5012, 5774..5920, 5951..6346, 6015..6320, 6212..6403, 6359..6559, 6363..6485, 6551..6694		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o2.tw	Method	TBLASTX:Wheat
Start	4294	End	6490
GI	none	Score	111
Exons	4294..4416, 4295..4411, 4454..4651, 4468..4641, 4649..4717, 6098..6337, 6359..6490		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o3.tm	Method	TBLASTX:Maize
Start	4709	End	6082
GI	none	Score	204
Exons	4709..4858, 4711..4851, 4879..5034, 4879..5034, 4884..5096, 4925..5062, 4929..5081, 5075..5125, 5076..5126, 5801..5881, 5987..6082		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o3.tw	Method	TBLASTX:Wheat
Start	4911	End	6097
GI	none	Score	71
Exons	4911..5006, 5777..5905, 5810..5905, 5951..6097, 6026..6070		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o2.gs	Method	GENSCAN
Start	5684	End	7916
GI	none	Score	.68
Exons	5684..6725, 6906..7121, 7230..7513, 7542..7916		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o3.np	Method	AAT/NAP
Start	5687	End	7962
GI	5669665	Score	1758
Exons	5687..6780, 6895..6970, 7031..7073, 7230..7962		
GI Descrip.	(AF100766) receptor-like kinase [Oryza sativa]		

Seq. No.	23136	Seq. ID	OJ990915_01.9B01.C17
Gene No.	48154	Strand	-
Start	5684	End	7962
Name	OJ990915_01.9B01.C17.o4.tm	Method	TBLASTX:Maize
Start	7647	End	7850

GI	none	Score	68
Exons	7647..7715, 7650..7850, 7651..7842		
Seq. No.	23137	Seq. ID	OJ990915_01.9B01.C18
Gene No.	48155	Strand	+
Start	1807	End	2688
Name	OJ990915_01.9B01.C18.o1.np	Method	AAT/NAP
Start	1807	End	2550
GI	2062389	Score	699
Exons	1807..2550		
GI Descrip.	(U77657) pathogenesis-related thaumatin-like protein [Oryza sativa]		

Seq. No.	23137	Seq. ID	OJ990915_01.9B01.C18
Gene No.	48155	Strand	+
Start	1807	End	2688
Name	OJ990915_01.9B01.C18.o1.gs	Method	GENSCAN
Start	1810	End	2688
GI	none	Score	.46
Exons	1810..2688		

Seq. No.	23137	Seq. ID	OJ990915_01.9B01.C18
Gene No.	48155	Strand	+
Start	1807	End	2688
Name	OJ990915_01.9B01.C18.o2.gp	Method	AAT/GAP
Start	1815	End	2173
GI	58339_1.R1084	Score	672
Exons	1815..2173		
GI Descrip.	'5669674/gb AAD46420.1 AF100771_1 1.0e-32 (AF100771) receptor-like kinase [Hordeum vulgare]'		

Seq. No.	23137	Seq. ID	OJ990915_01.9B01.C18
Gene No.	48156	Strand	-
Start	1083	End	1411
Name	OJ990915_01.9B01.C18.o1.gp	Method	AAT/GAP
Start	1083	End	1411
GI	2317358	Score	654
Exons	1083..1411		

Seq. No.	23137	Seq. ID	OJ990915_01.9B01.C18
Gene No.	48157	Strand	
Start	1831	End	2562
Name	OJ990915_01.9B01.C18.o1.tm	Method	TBLASTX:Maize
Start	1831	End	2562
GI	none	Score	64
Exons	1831..2049, 1848..1940, 1891..2187, 1917..2162, 2166..2246, 2167..2268, 2265..2366, 2266..2367, 2277..2384, 2278..2367, 2446..2469, 2487..2561, 2506..2562		

Seq. No.	23137	Seq. ID	OJ990915_01.9B01.C18
Gene No.	48157	Strand	
Start	1831	End	2562
Name	OJ990915_01.9B01.C18.o1.tc	Method	TBLASTX:Cress
Start	1897	End	2388
GI	none	Score	80
Exons	1897..1971, 1950..2240, 1951..2241, 2296..2388, 2301..2372		

Seq. No.	23137	Seq. ID	OJ990915_01.9B01.C18
Gene No.	48157	Strand	
Start	1831	End	2562
Name	OJ990915_01.9B01.C18.o1.ts	Method	TBLASTX:Soybean
Start	1897	End	2556
GI	none	Score	423
Exons	1897..2241, 1917..2240, 2277..2387, 2278..2388, 2506..2556		

Seq. No.	23137	Seq. ID	OJ990915_01.9B01.C18
Gene No.	48157	Strand	
Start	1831	End	2562
Name	OJ990915_01.9B01.C18.o1.tw	Method	TBLASTX:Wheat
Start	1929	End	2387
GI	none	Score	374
Exons	1929..2240, 1930..2241, 2295..2387, 2296..2373		

Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48158	Strand	+
Start	1	End	2177
Name	OJ990915_01.9B01.C19.o1.np	Method	AAT/NAP
Start	1	End	912
GI	2864613	Score	629
Exons	1..912		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi 4049333 emb CAA22558.1 (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48158	Strand	+
Start	1	End	2177
Name	OJ990915_01.9B01.C19.o1.gs	Method	GENSCAN
Start	23	End	2177
GI	none	Score	.44
Exons	23..852, 1204..1259, 1326..1381, 1603..1784, 2027..2177		

Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48159	Strand	-
Start	1	End	391
Name	OJ990915_01.9B01.C19.o1.gp	Method	AAT/GAP
Start	1	End	391
GI	2317357	Score	774
Exons	1..391		
GI Descrip.	2864613/emb CAA16960 2.0e-39 (AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] >gi_4049333_emb_CAA22558.1_ (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48160	Strand	-
Start	2838	End	3875
Name	OJ990915_01.9B01.C19.o1.tm	Method	TBLASTX:Maize
Start	2	End	3875
GI	none	Score	176
Exons	2..178, 28..162, 182..388, 235..387, 389..439, 3249..3875, 3250..3873, 3252..3875		

Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48160	Strand	-

Start	2838	End	3875
Name	OJ990915_01.9B01.C19.o1.ts	Method	TBLASTX:Soybean
Start	2	End	3848
GI	none	Score	296
Exons	2..382, 28..162, 211..363, 373..429, 401..430, 446..541, 460..519, 650..736, 2928..3062, 2946..3074, 3169..3465, 3171..3500, 3366..3497, 3510..3713, 3517..3714, 3705..3848		
Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48160	Strand	-
Start	2838	End	3875
Name	OJ990915_01.9B01.C19.o1.tc	Method	TBLASTX:Cress
Start	29	End	3806
GI	none	Score	134
Exons	29..166, 197..382, 241..363, 373..429, 398..430, 446..541, 460..558, 647..733, 2910..3050, 2923..3057, 2970..3062, 3174..3497, 3180..3446, 3181..3489, 3516..3806, 3523..3804		
Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48160	Strand	-
Start	2838	End	3875
Name	OJ990915_01.9B01.C19.o1.tw	Method	TBLASTX:Wheat
Start	37	End	3644
GI	none	Score	112
Exons	37..159, 38..169, 197..382, 199..351, 380..448, 3252..3497, 3513..3644		
Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48160	Strand	-
Start	2838	End	3875
Name	OJ990915_01.9B01.C19.o2.tm	Method	TBLASTX:Maize
Start	440	End	3236
GI	none	Score	223
Exons	440..604, 442..612, 442..582, 611..826, 617..811, 661..825, 806..856, 808..855, 2955..3035, 3171..3236		
Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48160	Strand	-
Start	2838	End	3875
Name	OJ990915_01.9B01.C19.o2.tw	Method	TBLASTX:Wheat
Start	458	End	3251
GI	none	Score	50
Exons	458..541, 647..742, 2923..3033, 2931..3059, 2940..3047, 3105..3251		
Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48160	Strand	-
Start	2838	End	3875
Name	OJ990915_01.9B01.C19.o2.gs	Method	GENSCAN
Start	2838	End	3830
GI	none	Score	.85
Exons	2838..3830		
Seq. No.	23138	Seq. ID	OJ990915_01.9B01.C19
Gene No.	48160	Strand	-
Start	2838	End	3875
Name	OJ990915_01.9B01.C19.o2.np	Method	AAT/NAP

Start	2841	End	3875
GI	5669665	Score	1443
Exons	2841..3875		
GI Descrip.	(AF100766) receptor-like kinase [Oryza sativa]		

Seq. No.	23139	Seq. ID	OJ990915_01.9B01.C20
Gene No.	48161	Strand	-
Start	1	End	723
Name	OJ990915_01.9B01.C20.o1.np	Method	AAT/NAP
Start	1	End	723
GI	5679314	Score	685
Exons	1..468, 683..723		
GI Descrip.	(AF164021) receptor kinase [Oryza sativa]		

Seq. No.	23139	Seq. ID	OJ990915_01.9B01.C20
Gene No.	48161	Strand	-
Start	1	End	723
Name	OJ990915_01.9B01.C20.o1.ts	Method	TBLASTX:Soybean
Start	18	End	367
GI	none	Score	146
Exons	18..239, 26..307, 26..367, 294..365		

Seq. No.	23139	Seq. ID	OJ990915_01.9B01.C20
Gene No.	48161	Strand	-
Start	1	End	723
Name	OJ990915_01.9B01.C20.o1.tc	Method	TBLASTX:Cress
Start	23	End	325
GI	none	Score	148
Exons	23..229, 30..239, 224..307, 233..325		

Seq. No.	23139	Seq. ID	OJ990915_01.9B01.C20
Gene No.	48161	Strand	-
Start	1	End	723
Name	OJ990915_01.9B01.C20.o1.tm	Method	TBLASTX:Maize
Start	33	End	466
GI	none	Score	164
Exons	33..179, 38..178, 63..191, 174..224, 176..223, 221..391, 224..466, 294..425, 416..457		

Seq. No.	23139	Seq. ID	OJ990915_01.9B01.C20
Gene No.	48161	Strand	-
Start	1	End	723
Name	OJ990915_01.9B01.C20.o1.gs	Method	GENSCAN
Start	241	End	706
GI	none	Score	.78
Exons	241..468, 683..706		

Seq. No.	23140	Seq. ID	OJ990915_01.9B01.C21
Gene No.	48162	Strand	+
Start	1260	End	3062
Name	OJ990915_01.9B01.C21.o1.gs	Method	GENSCAN
Start	1260	End	3062
GI	none	Score	.83
Exons	1260..1329, 1377..1425, 2036..2567, 2619..2788, 2887..3062		

Seq. No.	23140	Seq. ID	OJ990915_01.9B01.C21
Gene No.	48162	Strand	+

Start	1260	End	3062
Name	OJ990915_01.9B01.C21.o2.np	Method	AAT/NAP
Start	2043	End	2788
GI	5669663	Score	465
Exons	2043..2384, 2418..2788		
GI Descrip.	(AF100765) receptor-like kinase [Oryza sativa]		

Seq. No.	23140	Seq. ID	OJ990915_01.9B01.C21
Gene No.	48163	Strand	-
Start	483	End	1251
Name	OJ990915_01.9B01.C21.o1.np	Method	AAT/NAP
Start	483	End	1251
GI	5679314	Score	837
Exons	483..1251		
GI Descrip.	(AF164021) receptor kinase [Oryza sativa]		

Seq. No.	23140	Seq. ID	OJ990915_01.9B01.C21
Gene No.	48163	Strand	-
Start	483	End	1251
Name	OJ990915_01.9B01.C21.o1.tm	Method	TBLASTX:Maize
Start	766	End	1195
GI	none	Score	44
Exons	766..846, 873..1193, 877..1194, 878..1195		

Seq. No.	23140	Seq. ID	OJ990915_01.9B01.C21
Gene No.	48164	Strand	-
Start	2076	End	2360
Name	OJ990915_01.9B01.C21.o2.tm	Method	TBLASTX:Maize
Start	2076	End	2360
GI	none	Score	258
Exons	2076..2150, 2142..2360, 2145..2357		

Seq. No.	23141	Seq. ID	OJ990915_01.9B01.C22
Gene No.	48165	Strand	+
Start	1	End	804
Name	OJ990915_01.9B01.C22.o1.np	Method	AAT/NAP
Start	1	End	792
GI	5523856	Score	1032
Exons	1..792		
GI Descrip.	(AF085166) receptor-like kinase [Hordeum vulgare]		

Seq. No.	23141	Seq. ID	OJ990915_01.9B01.C22
Gene No.	48165	Strand	+
Start	1	End	804
Name	OJ990915_01.9B01.C22.o1.tc	Method	TBLASTX:Cress
Start	1	End	740
GI	none	Score	149
Exons	1..126, 3..128, 151..501, 151..462, 354..500, 490..588, 588..740, 595..735		

Seq. No.	23141	Seq. ID	OJ990915_01.9B01.C22
Gene No.	48165	Strand	+
Start	1	End	804
Name	OJ990915_01.9B01.C22.o1.tm	Method	TBLASTX:Maize
Start	1	End	392
GI	none	Score	580
Exons	1..390, 1..390, 3..392		

Seq. No.	23141	Seq. ID	OJ990915_01.9B01.C22
Gene No.	48165	Strand	+
Start	1	End	804
Name	OJ990915_01.9B01.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	717
GI	none	Score	133
Exons	1..132, 1..126, 142..537, 144..539, 583..717, 622..699		

Seq. No.	23141	Seq. ID	OJ990915_01.9B01.C22
Gene No.	48165	Strand	+
Start	1	End	804
Name	OJ990915_01.9B01.C22.o1.tw	Method	TBLASTX:Wheat
Start	1	End	390
GI	none	Score	111
Exons	1..129, 151..390		

Seq. No.	23141	Seq. ID	OJ990915_01.9B01.C22
Gene No.	48165	Strand	+
Start	1	End	804
Name	OJ990915_01.9B01.C22.o1.gs	Method	GENSCAN
Start	97	End	804
GI	none	Score	.91
Exons	97..804		

Seq. No.	23141	Seq. ID	OJ990915_01.9B01.C22
Gene No.	48165	Strand	+
Start	1	End	804
Name	OJ990915_01.9B01.C22.o2.tm	Method	TBLASTX:Maize
Start	393	End	735
GI	none	Score	108
Exons	393..536, 393..530, 394..561, 442..735, 577..729, 579..734		

Seq. No.	23141	Seq. ID	OJ990915_01.9B01.C22
Gene No.	48165	Strand	+
Start	1	End	804
Name	OJ990915_01.9B01.C22.o2.tw	Method	TBLASTX:Wheat
Start	397	End	714
GI	none	Score	113
Exons	397..537, 399..521, 586..714, 598..681		

Seq. No.	23142	Seq. ID	OJ990915_01.9B01.C23
Gene No.	48166	Strand	+
Start	1	End	560
Name	OJ990915_01.9B01.C23.o1.np	Method	AAT/NAP
Start	1	End	560
GI	1680686	Score	838
Exons	1..560		
GI Descrip.	(U51330) rust resistance kinase Lrl0 [Triticum aestivum]		

Seq. No.	23142	Seq. ID	OJ990915_01.9B01.C23
Gene No.	48167	Strand	-
Start	376	End	558
Name	OJ990915_01.9B01.C23.o1.tc	Method	TBLASTX:Cress
Start	1	End	558
GI	none	Score	102
Exons	1..93, 18..98, 18..92, 90..287, 97..288, 327..554, 328..558		

Seq. No.	23142	Seq. ID	OJ990915_01.9B01.C23
Gene No.	48167	Strand	-
Start	376	End	558
Name	OJ990915_01.9B01.C23.o1.ts	Method	TBLASTX:Soybean
Start	1	End	558
GI	none	Score	644
Exons	1..558, 3..287, 351..404, 361..543, 459..554		

Seq. No.	23142	Seq. ID	OJ990915_01.9B01.C23
Gene No.	48167	Strand	-
Start	376	End	558
Name	OJ990915_01.9B01.C23.o1.tm	Method	TBLASTX:Maize
Start	1	End	558
GI	none	Score	92
Exons	1..102, 39..104, 91..291, 94..300, 108..353, 304..558, 310..543, 456..554		

Seq. No.	23142	Seq. ID	OJ990915_01.9B01.C23
Gene No.	48167	Strand	-
Start	376	End	558
Name	OJ990915_01.9B01.C23.o1.tw	Method	TBLASTX:Wheat
Start	162	End	555
GI	none	Score	109
Exons	162..230, 163..291, 316..555		

Seq. No.	23142	Seq. ID	OJ990915_01.9B01.C23
Gene No.	48167	Strand	-
Start	376	End	558
Name	OJ990915_01.9B01.C23.o1.gs	Method	GENSCAN
Start	376	End	545
GI	none	Score	.86
Exons	376..483, 513..545		

Seq. No.	23143	Seq. ID	OJ990915_01.9B01.C24
Gene No.	48168	Strand	-
Start	1	End	820
Name	OJ990915_01.9B01.C24.o1.np	Method	AAT/NAP
Start	1	End	820
GI	5679312	Score	1103
Exons	1..820		
GI Descrip.	(AF164020) receptor kinase [Oryza sativa]		

Seq. No.	23143	Seq. ID	OJ990915_01.9B01.C24
Gene No.	48168	Strand	-
Start	1	End	820
Name	OJ990915_01.9B01.C24.o1.gs	Method	GENSCAN
Start	104	End	696
GI	none	Score	.54
Exons	104..696		

Seq. No.	23143	Seq. ID	OJ990915_01.9B01.C24
Gene No.	48168	Strand	-
Start	1	End	820
Name	OJ990915_01.9B01.C24.o1.tm	Method	TBLASTX:Maize
Start	490	End	738
GI	none	Score	151

Exons 490..519, 526..738, 529..723

Seq. No.	23144	Seq. ID	OJ990915_01.9B01.C25
Gene No.	48169	Strand	+
Start	1	End	1373
Name	OJ990915_01.9B01.C25.o1.np	Method	AAT/NAP
Start	1	End	1293
GI	5679312	Score	1829
Exons	1..45, 193..1293		
GI Descrip.	(AF164020) receptor kinase [Oryza sativa]		

Seq. No.	23144	Seq. ID	OJ990915_01.9B01.C25
Gene No.	48169	Strand	+
Start	1	End	1373
Name	OJ990915_01.9B01.C25.o1.ts	Method	TBLASTX:Soybean
Start	193	End	1262
GI	none	Score	36
Exons	193..240, 336..479, 377..478, 504..677, 527..664, 687..1025, 689..982, 897..986, 1057..1122, 1121..1261, 1128..1262		

Seq. No.	23144	Seq. ID	OJ990915_01.9B01.C25
Gene No.	48169	Strand	+
Start	1	End	1373
Name	OJ990915_01.9B01.C25.o1.tm	Method	TBLASTX:Maize
Start	199	End	938
GI	none	Score	137
Exons	199..504, 248..505, 249..518, 509..937, 510..938		

Seq. No.	23144	Seq. ID	OJ990915_01.9B01.C25
Gene No.	48169	Strand	+
Start	1	End	1373
Name	OJ990915_01.9B01.C25.o1.gs	Method	GENSCAN
Start	250	End	1373
GI	none	Score	.62
Exons	250..1373		

Seq. No.	23144	Seq. ID	OJ990915_01.9B01.C25
Gene No.	48169	Strand	+
Start	1	End	1373
Name	OJ990915_01.9B01.C25.o1.tc	Method	TBLASTX:Cress
Start	378	End	1285
GI	none	Score	103
Exons	378..506, 431..508, 525..671, 527..673, 695..982, 696..1013, 708..1001, 1041..1142, 1118..1285, 1140..1262		

Seq. No.	23144	Seq. ID	OJ990915_01.9B01.C25
Gene No.	48169	Strand	+
Start	1	End	1373
Name	OJ990915_01.9B01.C25.o1.tw	Method	TBLASTX:Wheat
Start	420	End	845
GI	none	Score	158
Exons	420..689, 693..845		

Seq. No.	23144	Seq. ID	OJ990915_01.9B01.C25
Gene No.	48169	Strand	+
Start	1	End	1373
Name	OJ990915_01.9B01.C25.o2.tw	Method	TBLASTX:Wheat

Start	933	End	1267
GI	none	Score	67
Exons	933..1058, 961..1005, 1008..1259, 1055..1267		

Seq. No.	23144	Seq. ID	OJ990915_01.9B01.C25
Gene No.	48169	Strand	+
Start	1	End	1373
Name	OJ990915_01.9B01.C25.o2.tm	Method	TBLASTX:Maize
Start	938	End	1279
GI	none	Score	147
Exons	938..982, 939..1058, 1041..1274, 1046..1279, 1117..1275		

Seq. No.	23145	Seq. ID	OJ990915_01.9B01.C26
Gene No.	48170	Strand	+
Start	1	End	263
Name	OJ990915_01.9B01.C26.o1.np	Method	AAT/NAP
Start	1	End	263
GI	5679314	Score	388
Exons	1..263		
GI Descrip.	(AF164021) receptor kinase [Oryza sativa]		

Seq. No.	23145	Seq. ID	OJ990915_01.9B01.C26
Gene No.	48171	Strand	-
Start	1	End	394
Name	OJ990915_01.9B01.C26.o1.gp	Method	AAT/GAP
Start	1	End	394
GI	uC-osflcyp111c11a1	Score	788
Exons	1..394		
GI Descrip.	'5679314/gb AAD46917.1 AF164021_1 1.0e-58 (AF164021) receptor kinase [Oryza sativa]'		

Seq. No.	23145	Seq. ID	OJ990915_01.9B01.C26
Gene No.	48172	Strand	-
Start	1759	End	2639
Name	OJ990915_01.9B01.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	295
GI	none	Score	339
Exons	2..232, 3..293, 3..293, 5..295		

Seq. No.	23145	Seq. ID	OJ990915_01.9B01.C26
Gene No.	48172	Strand	-
Start	1759	End	2639
Name	OJ990915_01.9B01.C26.o1.ts	Method	TBLASTX:Soybean
Start	3	End	245
GI	none	Score	221
Exons	3..245, 62..244		

Seq. No.	23145	Seq. ID	OJ990915_01.9B01.C26
Gene No.	48172	Strand	-
Start	1759	End	2639
Name	OJ990915_01.9B01.C26.o2.gs	Method	GENSCAN
Start	1759	End	2639
GI	none	Score	.77
Exons	1759..2184, 2344..2403, 2510..2639		

Seq. No.	23146	Seq. ID	OJ990915_01.9B01.C28
Gene No.	48173	Strand	+

Start	1	End	747
Name	OJ990915_01.9B01.C28.o1.np	Method	AAT/NAP
Start	1	End	747
GI	6006375	Score	769
Exons	1..42, 206..747		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	23146	Seq. ID	OJ990915_01.9B01.C28
Gene No.	48173	Strand	+
Start	1	End	747
Name	OJ990915_01.9B01.C28.o1.gs	Method	GENSCAN
Start	173	End	607
GI	none	Score	.85
Exons	173..607		

Seq. No.	23147	Seq. ID	OJ990915_01.9B01.C29
Gene No.	48174	Strand	+
Start	1106	End	3858
Name	OJ990915_01.9B01.C29.o1.np	Method	AAT/NAP
Start	1106	End	3858
GI	5669665	Score	1874
Exons	1106..1907, 2111..2181, 2772..3858		
GI Descrip.	(AF100766) receptor-like kinase [Oryza sativa]		

Seq. No.	23147	Seq. ID	OJ990915_01.9B01.C29
Gene No.	48174	Strand	+
Start	1106	End	3858
Name	OJ990915_01.9B01.C29.o1.gs	Method	GENSCAN
Start	1213	End	3421
GI	none	Score	.56
Exons	1213..1859, 1991..2181, 2772..3421		

Seq. No.	23147	Seq. ID	OJ990915_01.9B01.C29
Gene No.	48175	Strand	-
Start	1	End	496
Name	OJ990915_01.9B01.C29.o1.gp	Method	AAT/GAP
Start	1	End	496
GI	21466_1.R1084	Score	897
Exons	1..496		
GI Descrip.	'6006355/dbj AP000559.1 AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	23147	Seq. ID	OJ990915_01.9B01.C29
Gene No.	48176	Strand	-
Start	7482	End	10166
Name	OJ990915_01.9B01.C29.o3.tm	Method	TBLASTX:Maize
Start	1258	End	1473
GI	none	Score	164
Exons	1258..1434, 1305..1430, 1435..1473		

Seq. No.	23147	Seq. ID	OJ990915_01.9B01.C29
Gene No.	48176	Strand	-
Start	7482	End	10166
Name	OJ990915_01.9B01.C29.o1.tm	Method	TBLASTX:Maize
Start	2770	End	8450
GI	none	Score	170

Exons 2770..2907, 2771..2914, 2777..2911, 2920..3369, 2921..3370, 2926..3378, 2937..3377, 3364..3447, 3372..3449, 3373..3450, 7839..8096, 7851..8099, 8110..8301, 8118..8306, 8315..8449, 8316..8450

Seq. No. 23147 Seq. ID OJ990915_01.9B01.C29
Gene No. 48176 Strand -
Start 7482 End 10166
Name OJ990915_01.9B01.C29.o1.tc Method TBLASTX:Cress
Start 2927 End 8407
GI none Score 241
Exons 2927..3178, 2941..3171, 3194..3364, 3205..3363, 3385..3558, 3408..3557, 3547..3651, 3642..3788, 3649..3789, 7464..7676, 7513..7629, 7683..7748, 7704..7739, 7764..8075, 7777..8067, 8121..8312, 8122..8319, 8315..8407, 8316..8390

Seq. No. 23147 Seq. ID OJ990915_01.9B01.C29
Gene No. 48176 Strand -
Start 7482 End 10166
Name OJ990915_01.9B01.C29.o1.ts Method TBLASTX:Soybean
Start 2927 End 8449
GI none Score 72
Exons 2927..2989, 2980..3177, 2981..3184, 3197..3328, 3203..3370, 3229..3432, 3373..3585, 3402..3596, 3612..3737, 3637..3771, 7503..8072, 7524..7625, 7717..7947, 7719..8045, 8002..8055, 8118..8321, 8122..8322, 8303..8449, 8316..8447

Seq. No. 23147 Seq. ID OJ990915_01.9B01.C29
Gene No. 48176 Strand -
Start 7482 End 10166
Name OJ990915_01.9B01.C29.o1.tw Method TBLASTX:Wheat
Start 3050 End 8246
GI none Score 116
Exons 3050..3181, 3052..3171, 3203..3364, 3376..3447, 7842..8090, 8118..8246

Seq. No. 23147 Seq. ID OJ990915_01.9B01.C29
Gene No. 48176 Strand -
Start 7482 End 10166
Name OJ990915_01.9B01.C29.o2.tw Method TBLASTX:Wheat
Start 3448 End 7841
GI none Score 111
Exons 3448..3585, 3577..3735, 3633..3776, 3640..3768, 7503..7676, 7701..7724, 7764..7841

Seq. No. 23147 Seq. ID OJ990915_01.9B01.C29
Gene No. 48176 Strand -
Start 7482 End 10166
Name OJ990915_01.9B01.C29.o2.tm Method TBLASTX:Maize
Start 3478 End 7812
GI none Score 118
Exons 3478..3597, 3486..3581, 3640..3774, 3652..3732, 7465..7812, 7470..7811

Seq. No. 23147 Seq. ID OJ990915_01.9B01.C29
Gene No. 48176 Strand -
Start 7482 End 10166

Name	OJ990915_01.9B01.C29.o2.np	Method	AAT/NAP
Start	7482	End	10166
GI	1680686	Score	1565
Exons	7482..8547, 9640..9982, 10010..10166		
GI Descrip.	(U51330) rust resistance kinase Lr10 [Triticum aestivum]		
Seq. No.	23148	Seq. ID	OJ990915_01.9B01.C30
Gene No.	48177	Strand	+
Start	32	End	108
Name	OJ990915_01.9B01.C30.o1.gs	Method	GENSCAN
Start	32	End	108
GI	none	Score	.58
Exons	32..108		
Seq. No.	23148	Seq. ID	OJ990915_01.9B01.C30
Gene No.	48178	Strand	-
Start	1	End	623
Name	OJ990915_01.9B01.C30.o1.np	Method	AAT/NAP
Start	1	End	623
GI	5669670	Score	429
Exons	1..623		
GI Descrip.	(AF100769) receptor-like kinase [Zea mays]		
Seq. No.	23148	Seq. ID	OJ990915_01.9B01.C30
Gene No.	48178	Strand	-
Start	1	End	623
Name	OJ990915_01.9B01.C30.o1.tm	Method	TBLASTX:Maize
Start	353	End	622
GI	none	Score	47
Exons	353..409, 355..390, 368..439, 369..464, 394..603, 395..586, 494..622		
Seq. No.	23149	Seq. ID	OJ990915_03.9B04.C1
Gene No.	48179	Strand	+
Start	273	End	370
Name	OJ990915_03.9B04.C1.o1.gs	Method	GENSCAN
Start	273	End	370
GI	none	Score	.94
Exons	273..370		
Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48180	Strand	+
Start	4428	End	4687
Name	OJ990915_03.9B04.C3.o3.gp	Method	AAT/GAP
Start	4428	End	4687
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	4428..4687		
GI Descrip.	'287403/dbj D10838 RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		
Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48181	Strand	+
Start	5553	End	10161
Name	OJ990915_03.9B04.C3.o2.np	Method	AAT/NAP
Start	5553	End	10161
GI	5932552	Score	789
Exons	5553..5655, 6528..6690, 6794..6998, 7082..7320, 7440..7512,		

7620..7676, 7965..8044, 8135..8197, 8599..8722, 9220..9316,
9888..9961, 10093..10161

GI Descrip. (AC009465) unknown protein [Arabidopsis thaliana]

Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48181	Strand	+
Start	5553	End	10161
Name	OJ990915_03.9B04.C3.o2.gs	Method	GENSCAN
Start	6404	End	9983
GI	none	Score	.49
Exons	6404..6694, 6819..6998, 7082..7168, 7620..7676, 7965..8044, 8135..8197, 8599..8686, 9888..9983		

Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48182	Strand	-
Start	1	End	3867
Name	OJ990915_03.9B04.C3.o1.np	Method	AAT/NAP
Start	1	End	3866
GI	3142290	Score	1031
Exons	1..113, 255..368, 438..563, 1133..1261, 1546..1676, 1781..2038, 2220..2403, 2458..2764, 2893..3126, 3665..3866		

GI Descrip. (AC002411) Contains similarity to gb|Z69902 from C. elegans. [Arabidopsis thaliana]

Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48182	Strand	-
Start	1	End	3867
Name	OJ990915_03.9B04.C3.o1.ts	Method	TBLASTX:Soybean
Start	253	End	1232
GI	none	Score	86
Exons	253..357, 255..368, 435..563, 454..564, 467..574, 1130..1231, 1140..1232		

Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48182	Strand	-
Start	1	End	3867
Name	OJ990915_03.9B04.C3.o1.gp	Method	AAT/GAP
Start	255	End	1240
GI	uC-osflcyp120h06b1	Score	609
Exons	255..368, 438..563, 1133..1240		
GI Descrip.	'3142290 2.0e-67 (AC002411) Contains similarity to gb_Z69902 from C. elegans. [Arabidopsis thaliana]'		

Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48182	Strand	-
Start	1	End	3867
Name	OJ990915_03.9B04.C3.o1.tm	Method	TBLASTX:Maize
Start	255	End	2772
GI	none	Score	162
Exons	255..368, 259..369, 423..563, 435..563, 437..565, 1130..1237, 1131..1238, 1589..1675, 1594..1689, 1594..1674, 1604..1675, 1776..2039, 1788..2042, 1837..2043, 2178..2363, 2194..2370, 2210..2422, 2446..2595, 2447..2596, 2447..2590, 2464..2595, 2701..2772, 2703..2771		

Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48182	Strand	-

Start	1	End	3867
Name	OJ990915_03.9B04.C3.o1.gs	Method	GENSCAN
Start	255	End	3866
GI	none	Score	.89
Exons	255..368, 438..563, 1133..1235, 1592..1676, 1781..2038, 2220..2361, 2465..2594, 2701..2764, 2893..3126, 3665..3866		

Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48182	Strand	-
Start	1	End	3867
Name	OJ990915_03.9B04.C3.o2.gp	Method	AAT/GAP
Start	2451	End	3710
GI	uC-osf1M202040e01b1	Score	868
Exons	2451..2594, 2701..2764, 2893..3126, 3665..3710		
GI Descrip.	'3142290 8.0e-30 (AC002411) Contains similarity to gb_Z69902 from C. elegans. [Arabidopsis thaliana]'		

Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48182	Strand	-
Start	1	End	3867
Name	OJ990915_03.9B04.C3.o3.tm	Method	TBLASTX:Maize
Start	2888	End	3867
GI	none	Score	122
Exons	2888..3043, 2899..3027, 2906..3031, 3032..3127, 3040..3126, 3041..3139, 3054..3143, 3660..3779, 3660..3797, 3661..3798, 3837..3866, 3838..3867		

Seq. No.	23150	Seq. ID	OJ990915_03.9B04.C3
Gene No.	48183	Strand	-
Start	7141	End	9968
Name	OJ990915_03.9B04.C3.o2.tm	Method	TBLASTX:Maize
Start	7141	End	9968
GI	none	Score	55
Exons	7141..7170, 7142..7177, 7209..7298, 7241..7321, 7247..7321, 7255..7323, 7437..7511, 7438..7512, 7617..7733, 7619..7678, 7947..8042, 7959..8042, 7964..8062, 8130..8198, 8133..8198, 8582..8686, 8596..8688, 8596..8685, 8597..8686, 9023..9121, 9024..9119, 9052..9120, 9058..9129, 9235..9318, 9236..9319, 9888..9968, 9888..9965		

Seq. No.	23151	Seq. ID	OJ990915_03.9B04.C5
Gene No.	48184	Strand	-
Start	65	End	270
Name	OJ990915_03.9B04.C5.o1.gs	Method	GENSCAN
Start	65	End	270
GI	none	Score	.94
Exons	65..270		

Seq. No.	23152	Seq. ID	OJ990915_03.9B04.C6
Gene No.	48185	Strand	-
Start	1	End	515
Name	OJ990915_03.9B04.C6.o1.gp	Method	AAT/GAP
Start	1	End	515
GI	none	Score	342
Exons	1..177, 476..515		

Seq. No.	23153	Seq. ID	OJ990915_03.9B04.C7
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Gene No. 48186
 Start 794
 Name OJ990915_03.9B04.C7.o1.gs
 Start 794
 GI none
 Exons 794..883, 923..1012

Strand -
 End 1012
 Method GENSCAN
 End 1012
 Score .66

Seq. No. 23154
 Gene No. 48187
 Start 1
 Name OJ990915_03.9B04.C8.o1.np
 Start 1
 GI 6223639
 Exons 1..122, 199..293, 475..525
 GI Descrip. (AC011698) putative casein kinase [Arabidopsis thaliana]

Seq. ID OJ990915_03.9B04.C8
 Strand +
 End 525
 Method AAT/NAP
 End 525
 Score 204

Seq. No. 23154
 Gene No. 48187
 Start 1
 Name OJ990915_03.9B04.C8.o1.tc
 Start 85
 GI none
 Exons 85..123, 167..307, 184..306, 197..307, 198..311, 473..514, 474..521

Seq. ID OJ990915_03.9B04.C8
 Strand +
 End 525
 Method TBLASTX:Cress
 End 521
 Score 53

Seq. No. 23154
 Gene No. 48187
 Start 1
 Name OJ990915_03.9B04.C8.o1.tm
 Start 85
 GI none
 Exons 85..123, 87..125, 88..123, 152..307, 199..306

Seq. ID OJ990915_03.9B04.C8
 Strand +
 End 525
 Method TBLASTX:Maize
 End 307
 Score 59

Seq. No. 23155
 Gene No. 48188
 Start 1
 Name OJ990915_03.9B04.C9.o1.gp
 Start 1
 GI none
 Exons 1..131

Seq. ID OJ990915_03.9B04.C9
 Strand +
 End 131
 Method AAT/GAP
 End 131
 Score .262

Seq. No. 23155
 Gene No. 48189
 Start 538
 Name OJ990915_03.9B04.C9.o1.np
 Start 514
 GI 6714316
 Exons 514..899
 GI Descrip. (AC016972) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990915_03.9B04.C9
 Strand -
 End 899
 Method AAT/NAP
 End 899
 Score 108

Seq. No. 23155
 Gene No. 48189
 Start 538
 Name OJ990915_03.9B04.C9.o1.gs
 Start 538
 GI none
 Exons 538..843

Seq. ID OJ990915_03.9B04.C9
 Strand -
 End 899
 Method GENSCAN
 End 843
 Score .47

Seq. No.	23156	Seq. ID	OJ990915_03.9B04.C10
Gene No.	48190	Strand	+
Start	3644	End	4803
Name	OJ990915_03.9B04.C10.o1.gp	Method	AAT/GAP
Start	3644	End	4803
GI	none	Score	930
Exons	3644..3784, 4431..4803		

Seq. No.	23156	Seq. ID	OJ990915_03.9B04.C10
Gene No.	48191	Strand	-
Start	1	End	2005
Name	OJ990915_03.9B04.C10.o1.np	Method	AAT/NAP
Start	1	End	2005
GI	6714316	Score	423
Exons	1..144, 220..396, 495..858, 1973..2005		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	23156	Seq. ID	OJ990915_03.9B04.C10
Gene No.	48191	Strand	-
Start	1	End	2005
Name	OJ990915_03.9B04.C10.o1.ts	Method	TBLASTX:Soybean
Start	2	End	841
GI	none	Score	90
Exons	2..148, 329..397, 484..606, 487..831, 488..841		

Seq. No.	23156	Seq. ID	OJ990915_03.9B04.C10
Gene No.	48191	Strand	-
Start	1	End	2005
Name	OJ990915_03.9B04.C10.o1.gs	Method	GENSCAN
Start	220	End	1029
GI	none	Score	.93
Exons	220..396, 495..1029		

Seq. No.	23156	Seq. ID	OJ990915_03.9B04.C10
Gene No.	48191	Strand	-
Start	1	End	2005
Name	OJ990915_03.9B04.C10.o1.tm	Method	TBLASTX:Maize
Start	341	End	859
GI	none	Score	82
Exons	341..397, 341..397, 348..401, 478..690, 482..544, 487..828, 488..859		

Seq. No.	23157	Seq. ID	OJ990915_03.9B04.C11
Gene No.	48192	Strand	-
Start	1	End	546
Name	OJ990915_03.9B04.C11.o1.np	Method	AAT/NAP
Start	1	End	546
GI	6006866	Score	136
Exons	1..402, 480..546		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23158	Seq. ID	OJ990915_03.9B04.C12
Gene No.	48193	Strand	+
Start	1	End	1859
Name	OJ990915_03.9B04.C12.o1.gp	Method	AAT/GAP
Start	1	End	462

GI 7965_1.R1084 Score 320
 Exons 1..84, 353..462
 GI Descrip. '6006848/gb|AAF00624.1|AC009540_1 1.0e-133 (AC009540) unknown protein, 5'' partial [Arabidopsis thaliana]'

Seq. No. 23158 Seq. ID OJ990915_03.9B04.C12
 Gene No. 48193 Strand +
 Start 1 End 1859
 Name OJ990915_03.9B04.C12.o1.np Method AAT/NAP
 Start 1 End 1144
 GI 6223639 Score 688
 Exons 1..84, 353..510, 759..947, 1088..1144
 GI Descrip. (AC011698) putative casein kinase [Arabidopsis thaliana]

Seq. No. 23158 Seq. ID OJ990915_03.9B04.C12
 Gene No. 48193 Strand +
 Start 1 End 1859
 Name OJ990915_03.9B04.C12.o1.gs Method GENSCAN
 Start 353 End 1147
 GI none Score .92
 Exons 353..510, 759..947, 1088..1147

Seq. No. 23158 Seq. ID OJ990915_03.9B04.C12
 Gene No. 48193 Strand +
 Start 1 End 1859
 Name OJ990915_03.9B04.C12.o2.gp Method AAT/GAP
 Start 866 End 1859
 GI 4087_1.R1084 Score 1633
 Exons 866..948, 1088..1859
 GI Descrip. '6006848/gb|AAF00624.1|AC009540_1 4.0e-12 (AC009540) unknown protein, 5'' partial [Arabidopsis thaliana]'

Seq. No. 23158 Seq. ID OJ990915_03.9B04.C12
 Gene No. 48194 Strand +
 Start 3128 End 7719
 Name OJ990915_03.9B04.C12.o1.tm Method TBLASTX:Maize
 Start 1 End 1643
 GI none Score 113
 Exons 1..84, 2..85, 3..86, 3..98, 349..513, 350..514, 351..518, 352..510, 594..620, 752..949, 756..947, 757..948, 758..949, 1084..1149, 1088..1153, 1156..1218, 1226..1255, 1238..1270, 1243..1323, 1510..1638, 1510..1638, 1518..1643

Seq. No. 23158 Seq. ID OJ990915_03.9B04.C12
 Gene No. 48194 Strand +
 Start 3128 End 7719
 Name OJ990915_03.9B04.C12.o1.tc Method TBLASTX:Cress
 Start 2 End 1146
 GI none Score 127
 Exons 2..85, 3..86, 3..89, 334..486, 349..513, 351..521, 352..510, 752..949, 756..947, 756..977, 788..949, 1087..1146, 1088..1141

Seq. No. 23158 Seq. ID OJ990915_03.9B04.C12
 Gene No. 48194 Strand +
 Start 3128 End 7719
 Name OJ990915_03.9B04.C12.o1.ts Method TBLASTX:Soybean
 Start 2 End 1147

GI	none	Score	133
Exons	2..85, 3..86, 346..483, 352..510, 369..521, 752..949, 756..947, 756..980, 1087..1143, 1088..1147		

Seq. No.	23158	Seq. ID	OJ990915_03.9B04.C12
Gene No.	48194	Strand	+
Start	3128	End	7719
Name	OJ990915_03.9B04.C12.o1.tw	Method	TBLASTX:Wheat
Start	345	End	515
GI	none	Score	249
Exons	345..515, 349..510		

Seq. No.	23158	Seq. ID	OJ990915_03.9B04.C12
Gene No.	48194	Strand	+
Start	3128	End	7719
Name	OJ990915_03.9B04.C12.o2.tw	Method	TBLASTX:Wheat
Start	808	End	1146
GI	none	Score	200
Exons	808..948, 809..949, 810..947, 810..950, 1084..1146, 1088..1138		

Seq. No.	23158	Seq. ID	OJ990915_03.9B04.C12
Gene No.	48194	Strand	+
Start	3128	End	7719
Name	OJ990915_03.9B04.C12.o2.gs	Method	GENSCAN
Start	3128	End	7719
GI	none	Score	.6
Exons	3128..3232, 3295..3419, 4912..5080, 5387..5476, 6089..6162, 6242..6397, 6850..6950, 7663..7719		

Seq. No.	23159	Seq. ID	OJ990915_03.9B04.C13
Gene No.	48195	Strand	-
Start	418	End	589
Name	OJ990915_03.9B04.C13.o1.gs	Method	GENSCAN
Start	418	End	589
GI	none	Score	.58
Exons	418..589		

Seq. No.	23160	Seq. ID	OJ990915_03.9B04.C14
Gene No.	48196	Strand	-
Start	771	End	1262
Name	OJ990915_03.9B04.C14.o1.gs	Method	GENSCAN
Start	771	End	1262
GI	none	Score	.53
Exons	771..828, 1197..1262		

Seq. No.	23161	Seq. ID	OJ990915_03.9B04.C16
Gene No.	48197	Strand	-
Start	1	End	2311
Name	OJ990915_03.9B04.C16.o1.gp	Method	AAT/GAP
Start	1	End	1930
GI	none	Score	788
Exons	1..234, 322..453, 1852..1930		

Seq. No.	23161	Seq. ID	OJ990915_03.9B04.C16
Gene No.	48197	Strand	-
Start	1	End	2311
Name	OJ990915_03.9B04.C16.o1.ts	Method	TBLASTX:Soybean

Start	113	End	462
GI	none	Score	69
Exons	113..232, 121..237, 313..462, 322..444, 332..454		

Seq. No.	23161	Seq. ID	OJ990915_03.9B04.C16
Gene No.	48197	Strand	-
Start	1	End	2311
Name	OJ990915_03.9B04.C16.o1.gs	Method	GENSCAN
Start	322	End	2202
GI	none	Score	.69
Exons	322..453, 1852..2047, 2066..2202		

Seq. No.	23161	Seq. ID	OJ990915_03.9B04.C16
Gene No.	48197	Strand	-
Start	1	End	2311
Name	OJ990915_03.9B04.C16.o1.np	Method	AAT/NAP
Start	937	End	2311
GI	2245123	Score	345
Exons	937..984, 1843..2047, 2154..2311		
GI Descrip.	(Z97343) sperm protein homolog [Arabidopsis thaliana]		

Seq. No.	23161	Seq. ID	OJ990915_03.9B04.C16
Gene No.	48197	Strand	-
Start	1	End	2311
Name	OJ990915_03.9B04.C16.o1.tm	Method	TBLASTX:Maize
Start	1840	End	2049
GI	none	Score	209
Exons	1840..2046, 1841..2047, 1852..2049		

Seq. No.	23162	Seq. ID	OJ990915_03.9B04.C18
Gene No.	48198	Strand	-
Start	936	End	1076
Name	OJ990915_03.9B04.C18.o1.gs	Method	GENSCAN
Start	936	End	1076
GI	none	Score	.56
Exons	936..1076		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
Gene No.	48199	Strand	+
Start	227	End	2931
Name	OJ990915_03.9B04.C19.o1.np	Method	AAT/NAP
Start	227	End	2931
GI	5922623	Score	156
Exons	227..312, 801..953, 1141..1215, 2904..2931		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
Gene No.	48199	Strand	+
Start	227	End	2931
Name	OJ990915_03.9B04.C19.o1.gs	Method	GENSCAN
Start	734	End	2062
GI	none	Score	.68
Exons	734..799, 1267..1377, 1419..1495, 1663..2062		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
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Gene No.	48199	Strand	+
Start	227	End	2931
Name	OJ990915_03.9B04.C19.o2.np	Method	AAT/NAP
Start	848	End	1979
GI	102426	Score	102
Exons	848..1096, 1253..1450, 1874..1979		
GI Descrip.	collagen-related protein 3 precursor - Hydra magnipapillata gi 102430 pir S21931 mini-collagen - Hydra sp gi 9451 emb CAA43381 (X61047) mini-collagen [Hydra sp.]		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
Gene No.	48199	Strand	+
Start	227	End	2931
Name	OJ990915_03.9B04.C19.o1.gp	Method	AAT/GAP
Start	1707	End	2904
GI	none	Score	748
Exons	1707..2050, 2851..2904		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
Gene No.	48200	Strand	+
Start	2857	End	5408
Name	OJ990915_03.9B04.C19.o2.ts	Method	TBLASTX:Soybean
Start	1823	End	4439
GI	none	Score	110
Exons	1823..1903, 1982..2053, 2848..2961, 2850..2960, 2884..2967, 4148..4267, 4149..4283, 4164..4271, 4380..4439		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
Gene No.	48200	Strand	+
Start	2857	End	5408
Name	OJ990915_03.9B04.C19.o3.np	Method	AAT/NAP
Start	2832	End	5053
GI	4049502	Score	84
Exons	2832..2868, 4712..4824, 4953..5053		
GI Descrip.	(AL034563) transcription initiation factor iif, beta subunit [Schizosaccharomyces pombe]		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
Gene No.	48200	Strand	+
Start	2857	End	5408
Name	OJ990915_03.9B04.C19.o2.gs	Method	GENSCAN
Start	2857	End	5078
GI	none	Score	.79
Exons	2857..2959, 4150..4280, 4380..4427, 4675..4824, 4953..5078		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
Gene No.	48200	Strand	+
Start	2857	End	5408
Name	OJ990915_03.9B04.C19.o1.tm	Method	TBLASTX:Maize
Start	2865	End	5063
GI	none	Score	164
Exons	2865..2960, 2866..2964, 4138..4272, 4147..4239, 4148..4282, 4149..4283, 4149..4283, 4378..4452, 4379..4456, 4380..4454, 4658..4822, 4666..4842, 4679..4828, 4746..4832, 4950..5063, 4952..5047		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
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Gene No.	48200	Strand	+
Start	2857	End	5408
Name	OJ990915_03.9B04.C19.o1.ts	Method	TBLASTX:Soybean
Start	4666	End	5066
GI	none	Score	200
Exons	4666..4842, 4749..4832, 4952..5047, 4953..5066, 4953..5048		

Seq. No.	23163	Seq. ID	OJ990915_03.9B04.C19
Gene No.	48200	Strand	+
Start	2857	End	5408
Name	OJ990915_03.9B04.C19.o2.gp	Method	AAT/GAP
Start	4707	End	5408
GI	none	Score	1094
Exons	4707..4824, 4953..5408		

Seq. No.	23164	Seq. ID	OJ990915_03.9B04.C20
Gene No.	48201	Strand	+
Start	655	End	3594
Name	OJ990915_03.9B04.C20.o1.gs	Method	GENSCAN
Start	655	End	3594
GI	none	Score	.68
Exons	655..682, 1267..1332, 2688..2820, 2857..3019, 3175..3594		

Seq. No.	23164	Seq. ID	OJ990915_03.9B04.C20
Gene No.	48201	Strand	+
Start	655	End	3594
Name	OJ990915_03.9B04.C20.o1.np	Method	AAT/NAP
Start	1266	End	1652
GI	6006866	Score	428
Exons	1266..1652		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23164	Seq. ID	OJ990915_03.9B04.C20
Gene No.	48201	Strand	+
Start	655	End	3594
Name	OJ990915_03.9B04.C20.o2.np	Method	AAT/NAP
Start	2759	End	3378
GI	6735331	Score	191
Exons	2759..2859, 2905..3092, 3274..3378		
GI Descrip.	(AL137081) putative protein [Arabidopsis thaliana]		

Seq. No.	23164	Seq. ID	OJ990915_03.9B04.C20
Gene No.	48202	Strand	+
Start	4799	End	7222
Name	OJ990915_03.9B04.C20.o1.tm	Method	TBLASTX:Maize
Start	1319	End	1654
GI	none	Score	437
Exons	1319..1651, 1320..1589, 1322..1654		

Seq. No.	23164	Seq. ID	OJ990915_03.9B04.C20
Gene No.	48202	Strand	+
Start	4799	End	7222
Name	OJ990915_03.9B04.C20.o2.tm	Method	TBLASTX:Maize
Start	4784	End	7151
GI	none	Score	183
Exons	4784..5002, 4798..4956, 4802..4942, 6929..7150, 6930..7151, 6936..7088, 6945..7151		

Seq. No.	23164	Seq. ID	OJ990915_03.9B04.C20
Gene No.	48202	Strand	+
Start	4799	End	7222
Name	OJ990915_03.9B04.C20.o2.gs	Method	GENSCAN
Start	4799	End	7187
GI	none	Score	.74
Exons	4799..5042, 6940..7187		

Seq. No.	23164	Seq. ID	OJ990915_03.9B04.C20
Gene No.	48202	Strand	+
Start	4799	End	7222
Name	OJ990915_03.9B04.C20.o3.np	Method	AAT/NAP
Start	4799	End	7100
GI	4432839	Score	151
Exons	4799..5042, 6932..7100		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	23164	Seq. ID	OJ990915_03.9B04.C20
Gene No.	48202	Strand	+
Start	4799	End	7222
Name	OJ990915_03.9B04.C20.o4.np	Method	AAT/NAP
Start	6951	End	7222
GI	4432839	Score	156
Exons	6951..7222		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	23165	Seq. ID	OJ990915_03.9B04.C21
Gene No.	48203	Strand	+
Start	1	End	456
Name	OJ990915_03.9B04.C21.o1.gp	Method	AAT/GAP
Start	1	End	456
GI	none	Score	669
Exons	1..121, 213..456		

Seq. No.	23166	Seq. ID	OJ990915_03.9B04.C22
Gene No.	48204	Strand	+
Start	65	End	274
Name	OJ990915_03.9B04.C22.o1.gs	Method	GENSCAN
Start	65	End	274
GI	none	Score	.99
Exons	65..274		

Seq. No.	23166	Seq. ID	OJ990915_03.9B04.C22
Gene No.	48205	Strand	-
Start	1	End	323
Name	OJ990915_03.9B04.C22.o1.np	Method	AAT/NAP
Start	1	End	323
GI	6498441	Score	444
Exons	1..323		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	23166	Seq. ID	OJ990915_03.9B04.C22
Gene No.	48205	Strand	-
Start	1	End	323

Name	OJ990915_03.9B04.C22.o1.tw	Method	TBLASTX:Wheat
Start	5	End	246
GI	none	Score	65
Exons	5..112, 95..172, 96..173, 199..246		
Seq. No.	23167	Seq. ID	OJ990915_03.9B04.C23
Gene No.	48206	Strand	-
Start	267	End	491
Name	OJ990915_03.9B04.C23.o1.np	Method	AAT/NAP
Start	267	End	491
GI	5042454	Score	126
Exons	267..491		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	23168	Seq. ID	OJ990915_03.9B04.C25
Gene No.	48207	Strand	-
Start	323	End	370
Name	OJ990915_03.9B04.C25.o1.gs	Method	GENSCAN
Start	323	End	370
GI	none	Score	.58
Exons	323..370		
Seq. No.	23169	Seq. ID	OJ990915_03.9B04.C28
Gene No.	48208	Strand	-
Start	322	End	609
Name	OJ990915_03.9B04.C28.o1.gs	Method	GENSCAN
Start	322	End	609
GI	none	Score	.7
Exons	322..609		
Seq. No.	23170	Seq. ID	OJ990915_03.9B04.C30
Gene No.	48209	Strand	+
Start	144	End	164
Name	OJ990915_03.9B04.C30.o1.gs	Method	GENSCAN
Start	144	End	164
GI	none	Score	.73
Exons	144..164		
Seq. No.	23170	Seq. ID	OJ990915_03.9B04.C30
Gene No.	48210	Strand	-
Start	1	End	298
Name	OJ990915_03.9B04.C30.o1.np	Method	AAT/NAP
Start	1	End	298
GI	6498441	Score	284
Exons	1..298		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	23170	Seq. ID	OJ990915_03.9B04.C30
Gene No.	48210	Strand	-
Start	1	End	298
Name	OJ990915_03.9B04.C30.o1.tm	Method	TBLASTX:Maize
Start	7	End	293
GI	none	Score	52
Exons	7..120, 8..46, 167..292, 183..293		

Seq. No.	23170	Seq. ID	OJ990915_03.9B04.C30
Gene No.	48210	Strand	-
Start	1	End	298
Name	OJ990915_03.9B04.C30.ol.tw	Method	TBLASTX:Wheat
Start	10	End	290
GI	none	Score	60
Exons	10..132, 167..289, 201..290		
Seq. No.	23171	Seq. ID	OJ990915_03.9B04.C33
Gene No.	48211	Strand	-
Start	1	End	459
Name	OJ990915_03.9B04.C33.ol.gp	Method	AAT/GAP
Start	1	End	398
GI	LIB3475-007-P1-K1-G8	Score	600
Exons	1..149, 226..398		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	23171	Seq. ID	OJ990915_03.9B04.C33
Gene No.	48211	Strand	-
Start	1	End	459
Name	OJ990915_03.9B04.C33.ol.np	Method	AAT/NAP
Start	1	End	459
GI	5441880	Score	594
Exons	1..149, 226..459		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	23171	Seq. ID	OJ990915_03.9B04.C33
Gene No.	48211	Strand	-
Start	1	End	459
Name	OJ990915_03.9B04.C33.ol.gs	Method	GENSCAN
Start	22	End	341
GI	none	Score	.7
Exons	22..149, 226..341		
Seq. No.	23172	Seq. ID	OJ990915_03.9B04.C43
Gene No.	48212	Strand	-
Start	1	End	343
Name	OJ990915_03.9B04.C43.ol.np	Method	AAT/NAP
Start	1	End	343
GI	6498441	Score	402
Exons	1..343		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	23172	Seq. ID	OJ990915_03.9B04.C43
Gene No.	48212	Strand	-
Start	1	End	343
Name	OJ990915_03.9B04.C43.ol.tw	Method	TBLASTX:Wheat
Start	1	End	340
GI	none	Score	169
Exons	1..339, 44..328, 134..340		

Seq. No.	23172	Seq. ID	OJ990915_03.9B04.C43
Gene No.	48212	Strand	-
Start	1	End	343
Name	OJ990915_03.9B04.C43.o1.gs	Method	GENSCAN
Start	71	End	327
GI	none	Score	.81
Exons	71..327		

Seq. No.	23173	Seq. ID	OJ990915_03.9B04.C44
Gene No.	48213	Strand	+
Start	1	End	1140
Name	OJ990915_03.9B04.C44.o1.np	Method	AAT/NAP
Start	1	End	1002
GI	5932552	Score	192
Exons	1..35, 363..454, 615..1002		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	23173	Seq. ID	OJ990915_03.9B04.C44
Gene No.	48213	Strand	+
Start	1	End	1140
Name	OJ990915_03.9B04.C44.o1.gs	Method	GENSCAN
Start	351	End	1140
GI	none	Score	.78
Exons	351..454, 615..1140		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48214	Strand	+
Start	473	End	1838
Name	OJ990915_03.9B04.C45.o1.gs	Method	GENSCAN
Start	473	End	1838
GI	none	Score	.88
Exons	473..655, 745..801, 896..1116, 1200..1524, 1638..1838		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48214	Strand	+
Start	473	End	1838
Name	OJ990915_03.9B04.C45.o1.np	Method	AAT/NAP
Start	488	End	1788
GI	6685163	Score	763
Exons	488..655, 745..801, 896..1116, 1200..1524, 1641..1788		
GI Descrip.	(AF219223) homocysteine S-methyltransferase AtHMT-2 [Arabidopsis thaliana]		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o2.tm	Method	TBLASTX:Maize
Start	482	End	1775
GI	none	Score	105
Exons	482..658, 483..605, 521..658, 738..794, 742..801, 893..997, 895..993, 1046..1117, 1051..1116, 1191..1355, 1198..1332, 1311..1526, 1333..1530, 1649..1756, 1650..1775		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o1.tc	Method	TBLASTX:Cress

Start	500	End	1757
GI	none	Score	174
Exons	500..649, 521..658, 744..797, 745..801, 893..1117, 895..987, 1048..1116, 1191..1325, 1198..1353, 1296..1526, 1333..1524, 1617..1757, 1649..1756		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o2.ts	Method	TBLASTX:Soybean
Start	521	End	1766
GI	none	Score	195
Exons	521..658, 714..797, 742..801, 893..1015, 895..993, 1046..1114, 1048..1113, 1191..1331, 1201..1353, 1333..1434, 1489..1521, 1667..1756, 1674..1766		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o1.tw	Method	TBLASTX:Wheat
Start	1296	End	1530
GI	none	Score	180
Exons	1296..1526, 1333..1530		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o1.gp	Method	AAT/GAP
Start	2223	End	2882
GI	85267_1.R1084	Score	1016
Exons	2223..2776, 2846..2882		
GI Descrip.	'1711512/sp P49972 SR52_LYCES 4.0e-11 SIGNAL RECOGNITION PARTICLE 54 KD PROTEIN 2 (SRP54) >gi_1076577_pir_S51598 signal recognition particle 54K protein - tomato (cv. UC82-B) >gi_556902_emb_CAA84288_(Z34527) 54-kD signal recognition particle (SRP) specific protein [Lycopersicon esculentum]'		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o1.tm	Method	TBLASTX:Maize
Start	2445	End	3229
GI	none	Score	365
Exons	2445..2786, 2482..2787, 2499..2786, 2805..2975, 2845..2973, 3089..3229, 3095..3229		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o2.gs	Method	GENSCAN
Start	2445	End	5949
GI	none	Score	.97
Exons	2445..2776, 2846..2960, 3101..3258, 3331..3431, 3915..4063, 4149..4299, 4379..4532, 5538..5637, 5719..5949		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-

Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o2.np	Method	AAT/NAP
Start	2451	End	5949
GI	1711511	Score	2027
Exons	2451..2776, 2846..2960, 3101..3258, 3331..3431, 3915..4063, 4149..4299, 4379..4532, 5538..5637, 5719..5949		
GI Descrip.	SIGNAL RECOGNITION PARTICLE 54 KD PROTEIN 2 (SRP54) gi 1020002 (L48285) signal recognition particle 54 kDa subunit [Hordeum vulgare]		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o1.ts	Method	TBLASTX:Soybean
Start	2483	End	4302
GI	none	Score	237
Exons	2483..2683, 2491..2655, 2491..2730, 2499..2777, 2846..2950, 2850..2963, 2854..2961, 3098..3259, 3098..3277, 3100..3261, 3309..3428, 3310..3429, 3322..3429, 3329..3439, 3330..3431, 3338..3439, 3893..4063, 3915..3983, 3927..4070, 3929..4063, 3991..4065, 4140..4301, 4149..4301, 4150..4302, 4150..4302		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o3.tc	Method	TBLASTX:Cress
Start	2485	End	2795
GI	none	Score	234
Exons	2485..2676, 2491..2655, 2495..2683, 2499..2795, 2514..2699		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o2.gp	Method	AAT/GAP
Start	2747	End	3406
GI	85110_1.R1084	Score	629
Exons	2747..2776, 2846..2960, 3101..3258, 3331..3406		
GI Descrip.	'1711512/sp P49972 SR52 LYCES 1.0e-44 SIGNAL RECOGNITION PARTICLE 54 KD PROTEIN 2 (SRP54) >gi_1076577_pir_S51598 signal recognition particle 54K protein - tomato (cv. UC82-B) >gi_556902_emb_CAA84288_ (Z34527) 54-kD signal recognition particle (SRP) specific protein [Lycopersicon esculentum]'		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o2.tc	Method	TBLASTX:Cress
Start	3131	End	5602
GI	none	Score	36
Exons	3131..3184, 3132..3182, 3200..3277, 3212..3259, 3327..3428, 3329..3439, 3330..3431, 3893..4075, 3915..4061, 3915..4088, 3929..4063, 3997..4089, 4147..4302, 4149..4301, 4379..4534, 4381..4533, 5536..5601, 5537..5602		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148

Name	OJ990915_03.9B04.C45.o3.tm	Method	TBLASTX:Maize
Start	3230	End	5962
GI	none	Score	37
Exons	3230..3265, 3230..3277, 3309..3434, 3329..3439, 3330..3431, 3331..3432, 3893..4063, 3915..3983, 3915..4070, 3929..4063, 4149..4301, 4150..4302, 4150..4311, 4154..4309, 4155..4322, 4379..4534, 4381..4533, 4622..4675, 5535..5636, 5535..5633, 5536..5637, 5537..5638, 5660..5731, 5719..5958, 5720..5959, 5792..5962		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o4.ts	Method	TBLASTX:Soybean
Start	4363	End	4533
GI	none	Score	60
Exons	4363..4464, 4363..4533, 4376..4480		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o3.ts	Method	TBLASTX:Soybean
Start	4483	End	5953
GI	none	Score	77
Exons	4483..4524, 5535..5636, 5536..5637, 5537..5638, 5719..5952, 5720..5953		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o3.gp	Method	AAT/GAP
Start	5498	End	6148
GI	26047_1.R1084	Score	952
Exons	5498..5637, 5719..6148		
GI Descrip.	'1711508/sp P49968 SR51_HORVU 6.0e-42 SIGNAL RECOGNITION PARTICLE 54 KD PROTEIN 1 (SRP54) >gi_1020000 (L48284) signal recognition particle 54 kDa subunit [Hordeum vulgare]'		

Seq. No.	23174	Seq. ID	OJ990915_03.9B04.C45
Gene No.	48215	Strand	-
Start	2445	End	6148
Name	OJ990915_03.9B04.C45.o4.tc	Method	TBLASTX:Cress
Start	5714	End	5962
GI	none	Score	186
Exons	5714..5962, 5719..5949, 5822..5950		

Seq. No.	23175	Seq. ID	OJ990915_03.9B04.C46
Gene No.	48216	Strand	-
Start	2802	End	3327
Name	OJ990915_03.9B04.C46.o1.np	Method	AAT/NAP
Start	2802	End	3327
GI	6539585	Score	127
Exons	2802..2882, 3162..3327		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	23175	Seq. ID	OJ990915_03.9B04.C46
Gene No.	48217	Strand	

Start	5126	End	6188
Name	OJ990915_03.9B04.C46.o1.tm	Method	TBLASTX:Maize
Start	5126	End	6188
GI	none	Score	97
Exons	5126..5215, 5136..5219, 5715..5954, 5741..5944, 5742..5945, 5744..5956, 6047..6184, 6048..6188, 6052..6177		

Seq. No.	23175	Seq. ID	OJ990915_03.9B04.C46
Gene No.	48217	Strand	
Start	5126	End	6188
Name	OJ990915_03.9B04.C46.o1.tc	Method	TBLASTX:Cress
Start	5741	End	6140
GI	none	Score	94
Exons	5741..5944, 6051..6140		

Seq. No.	23176	Seq. ID	OJ990915_03.9B04.C48
Gene No.	48218	Strand	-
Start	1	End	112
Name	OJ990915_03.9B04.C48.o1.gp	Method	AAT/GAP
Start	1	End	112
GI	none	Score	176
Exons	1..112		

Seq. No.	23177	Seq. ID	OJ990915_03.9B04.C49
Gene No.	48219	Strand	-
Start	1	End	150
Name	OJ990915_03.9B04.C49.o1.np	Method	AAT/NAP
Start	1	End	150
GI	6498441	Score	186
Exons	1..150		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	23178	Seq. ID	OJ990915_03.9B04.C52
Gene No.	48220	Strand	+
Start	1	End	271
Name	OJ990915_03.9B04.C52.o1.np	Method	AAT/NAP
Start	1	End	271
GI	5441880	Score	453
Exons	1..271		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	23178	Seq. ID	OJ990915_03.9B04.C52
Gene No.	48221	Strand	+
Start	194	End	391
Name	OJ990915_03.9B04.C52.o1.gs	Method	GENSCAN
Start	194	End	391
GI	none	Score	.8
Exons	194..391		

Seq. No.	23179	Seq. ID	OJ990915_03.9B04.C53
Gene No.	48222	Strand	+
Start	150	End	1245
Name	OJ990915_03.9B04.C53.o1.np	Method	AAT/NAP

Start	150	End	1245
GI	3201554	Score	711
Exons	150..360, 442..532, 683..828, 1093..1245		
GI Descrip.	(AJ006501) beta-D-glucosidase [Tropaeolum majus]		

Seq. No.	23179	Seq. ID	OJ990915_03.9B04.C53
Gene No.	48222	Strand	+
Start	150	End	1245
Name	OJ990915_03.9B04.C53.o1.tm	Method	TBLASTX:Maize
Start	153	End	1245
GI	none	Score	253
Exons	153..317, 184..360, 185..361, 185..364, 419..526, 436..528, 436..534, 440..535, 677..790, 681..779, 1090..1245, 1097..1243		

Seq. No.	23179	Seq. ID	OJ990915_03.9B04.C53
Gene No.	48222	Strand	+
Start	150	End	1245
Name	OJ990915_03.9B04.C53.o1.gs	Method	GENSCAN
Start	156	End	1232
GI	none	Score	.81
Exons	156..299, 460..532, 643..828, 1093..1232		

Seq. No.	23179	Seq. ID	OJ990915_03.9B04.C53
Gene No.	48222	Strand	+
Start	150	End	1245
Name	OJ990915_03.9B04.C53.o1.tc	Method	TBLASTX:Cress
Start	156	End	1213
GI	none	Score	217
Exons	156..353, 185..361, 256..360, 419..535, 421..534, 673..831, 677..829, 1090..1209, 1091..1213		

Seq. No.	23179	Seq. ID	OJ990915_03.9B04.C53
Gene No.	48222	Strand	+
Start	150	End	1245
Name	OJ990915_03.9B04.C53.o1.ts	Method	TBLASTX:Soybean
Start	179	End	523
GI	none	Score	241
Exons	179..364, 185..361, 288..365, 436..522, 440..523		

Seq. No.	23179	Seq. ID	OJ990915_03.9B04.C53
Gene No.	48222	Strand	+
Start	150	End	1245
Name	OJ990915_03.9B04.C53.o2.tw	Method	TBLASTX:Wheat
Start	436	End	742
GI	none	Score	125
Exons	436..528, 440..529, 680..742, 682..732		

Seq. No.	23179	Seq. ID	OJ990915_03.9B04.C53
Gene No.	48222	Strand	+
Start	150	End	1245
Name	OJ990915_03.9B04.C53.o2.ts	Method	TBLASTX:Soybean
Start	660	End	1192
GI	none	Score	210
Exons	660..734, 677..829, 682..831, 1091..1192, 1096..1188		

Seq. No.	23179	Seq. ID	OJ990915_03.9B04.C53
Gene No.	48222	Strand	+

Start	150	End	1245
Name	OJ990915_03.9B04.C53.o1.tw	Method	TBLASTX:Wheat
Start	743	End	1245
GI	none	Score	96
Exons	743..832, 751..831, 754..834, 1061..1243, 1061..1237, 1084..1245		

Seq. No.	23180	Seq. ID	OJ990915_03.9B04.C54
Gene No.	48223	Strand	+
Start	1	End	1856
Name	OJ990915_03.9B04.C54.o1.np	Method	AAT/NAP
Start	1	End	1856
GI	3201554	Score	957
Exons	1..67, 241..423, 944..1145, 1301..1856		
GI Descrip.	(AJ006501) beta-D-glucosidase [Tropaeolum majus]		

Seq. No.	23180	Seq. ID	OJ990915_03.9B04.C54
Gene No.	48224	Strand	+
Start	3800	End	4336
Name	OJ990915_03.9B04.C54.o3.gs	Method	GENSCAN
Start	3800	End	4336
GI	none	Score	.8
Exons	3800..4336		

Seq. No.	23180	Seq. ID	OJ990915_03.9B04.C54
Gene No.	48225	Strand	-
Start	2209	End	3575
Name	OJ990915_03.9B04.C54.o1.tm	Method	TBLASTX:Maize
Start	241	End	1779
GI	none	Score	205
Exons	241..423, 241..423, 939..1124, 940..1149, 941..1147, 958..1149, 1297..1386, 1299..1373, 1339..1779, 1407..1598, 1495..1779		

Seq. No.	23180	Seq. ID	OJ990915_03.9B04.C54
Gene No.	48225	Strand	-
Start	2209	End	3575
Name	OJ990915_03.9B04.C54.o1.tw	Method	TBLASTX:Wheat
Start	241	End	1135
GI	none	Score	199
Exons	241..423, 241..435, 940..1131, 941..1096, 947..1135		

Seq. No.	23180	Seq. ID	OJ990915_03.9B04.C54
Gene No.	48225	Strand	-
Start	2209	End	3575
Name	OJ990915_03.9B04.C54.o1.ts	Method	TBLASTX:Soybean
Start	241	End	1770
GI	none	Score	221
Exons	241..423, 241..423, 242..457, 941..1096, 943..1131, 976..1134, 1296..1598, 1297..1620, 1614..1769, 1615..1770, 1618..1734, 1619..1735		

Seq. No.	23180	Seq. ID	OJ990915_03.9B04.C54
Gene No.	48225	Strand	-
Start	2209	End	3575
Name	OJ990915_03.9B04.C54.o2.tc	Method	TBLASTX:Cress
Start	958	End	1530
GI	none	Score	80
Exons	958..1002, 959..1015, 986..1096, 1027..1131, 1299..1484,		

1300..1530

Seq. No.	23180	Seq. ID	OJ990915_03.9B04.C54
Gene No.	48225	Strand	-
Start	2209	End	3575
Name	OJ990915_03.9B04.C54.o1.tc	Method	TBLASTX:Cress
Start	1549	End	1775
GI	none	Score	314
Exons	1549..1764, 1587..1775, 1588..1761		

Seq. No.	23180	Seq. ID	OJ990915_03.9B04.C54
Gene No.	48225	Strand	-
Start	2209	End	3575
Name	OJ990915_03.9B04.C54.o2.gs	Method	GENSCAN
Start	2209	End	3575
GI	none	Score	.58
Exons	2209..2228, 2623..3163, 3270..3575		

Seq. No.	23181	Seq. ID	OJ990915_03.9B04.C62
Gene No.	48226	Strand	+
Start	140	End	364
Name	OJ990915_03.9B04.C62.o1.gs	Method	GENSCAN
Start	140	End	364
GI	none	Score	.65
Exons	140..364		

Seq. No.	23181	Seq. ID	OJ990915_03.9B04.C62
Gene No.	48227	Strand	-
Start	1	End	235
Name	OJ990915_03.9B04.C62.o1.gp	Method	AAT/GAP
Start	1	End	235
GI	427508	Score	458
Exons	1..235		

Seq. No.	23182	Seq. ID	OJ990825_04.9B01.C1
Gene No.	48228	Strand	+
Start	11412	End	15502
Name	OJ990825_04.9B01.C1.o2.gs	Method	GENSCAN
Start	11412	End	14493
GI	none	Score	.8
Exons	11412..11558, 11649..12250, 13026..13861, 13886..14493		

Seq. No.	23182	Seq. ID	OJ990825_04.9B01.C1
Gene No.	48228	Strand	+
Start	11412	End	15502
Name	OJ990825_04.9B01.C1.o1.np	Method	AAT/NAP
Start	11435	End	15502
GI	5091513	Score	1583
Exons	11435..12216, 13041..13933, 14000..14157, 14992..15182, 15342..15502		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	23182	Seq. ID	OJ990825_04.9B01.C1
Gene No.	48229	Strand	-
Start	1	End	133
Name	OJ990825_04.9B01.C1.o1.gp	Method	AAT/GAP
Start	1	End	133

GI	LIB3432-016-P1-K1-B4	Score	180
Exons	1..133		
GI Descrip.	'671740/emb CAA59218 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]'		

Seq. No.	23182	Seq. ID	OJ990825_04.9B01.C1
Gene No.	48230	Strand	-
Start	463	End	11027
Name	OJ990825_04.9B01.C1.o1.gs	Method	GENSCAN
Start	463	End	11027
GI	none	Score	.61
Exons	463..562, 2563..3694, 3885..4144, 4721..4842, 4869..4936, 5385..5479, 5636..5733, 6300..6628, 6681..6855, 8634..8768, 8835..8938, 9016..9214, 9867..9961, 10647..10819, 10993..11027		

Seq. No.	23182	Seq. ID	OJ990825_04.9B01.C1
Gene No.	48230	Strand	-
Start	463	End	11027
Name	OJ990825_04.9B01.C1.o2.gp	Method	AAT/GAP
Start	2259	End	2620
GI	none	Score	662
Exons	2259..2620		

Seq. No.	23182	Seq. ID	OJ990825_04.9B01.C1
Gene No.	48231	Strand	-
Start	26088	End	26532
Name	OJ990825_04.9B01.C1.o1.tc	Method	TBLASTX:Cress
Start	2559	End	26418
GI	none	Score	146
Exons	2559..2702, 2560..2703, 2694..2732, 2746..2892, 2748..2891, 26081..26224, 26082..26222, 26085..26228, 26086..26229, 26274..26417, 26278..26418		

Seq. No.	23182	Seq. ID	OJ990825_04.9B01.C1
Gene No.	48231	Strand	-
Start	26088	End	26532
Name	OJ990825_04.9B01.C1.o1.tm	Method	TBLASTX:Maize
Start	2559	End	26417
GI	none	Score	238
Exons	2559..2891, 2560..2862, 26085..26417, 26086..26388		

Seq. No.	23182	Seq. ID	OJ990825_04.9B01.C1
Gene No.	48231	Strand	-
Start	26088	End	26532
Name	OJ990825_04.9B01.C1.o1.ts	Method	TBLASTX:Soybean
Start	2559	End	26418
GI	none	Score	160
Exons	2559..2879, 2559..2891, 2560..2892, 2566..2916, 2708..2917, 2965..3015, 26079..26405, 26085..26417, 26086..26418		

Seq. No.	23182	Seq. ID	OJ990825_04.9B01.C1
Gene No.	48231	Strand	-
Start	26088	End	26532
Name	OJ990825_04.9B01.C1.o2.np	Method	AAT/NAP
Start	26088	End	26532
GI	6553884	Score	430
Exons	26088..26532		

GI Descrip. (AC012563) hypothetical protein [Arabidopsis thaliana]

Seq. No.	23183	Seq. ID	OJ990825_04.9B01.C2
Gene No.	48232	Strand	+
Start	1988	End	2896
Name	OJ990825_04.9B01.C2.o1.np	Method	AAT/NAP
Start	1988	End	2896
GI	3201610	Score	259
Exons	1988..2126, 2718..2896		
GI Descrip.	(AC004669) putative gibberellin-regulated protein [Arabidopsis thaliana]		

Seq. No.	23183	Seq. ID	OJ990825_04.9B01.C2
Gene No.	48233	Strand	-
Start	801	End	971
Name	OJ990825_04.9B01.C2.o1.gs	Method	GENSCAN
Start	801	End	971
GI	none	Score	.7
Exons	801..971		

Seq. No.	23183	Seq. ID	OJ990825_04.9B01.C2
Gene No.	48234	Strand	
Start	2713	End	3872
Name	OJ990825_04.9B01.C2.o1.tc	Method	TBLASTX:Cress
Start	2713	End	3872
GI	none	Score	282
Exons	2713..2901, 2717..2905, 2807..2905, 3771..3806, 3828..3872		

Seq. No.	23183	Seq. ID	OJ990825_04.9B01.C2
Gene No.	48234	Strand	
Start	2713	End	3872
Name	OJ990825_04.9B01.C2.o1.tm	Method	TBLASTX:Maize
Start	2717	End	2901
GI	none	Score	250
Exons	2717..2899, 2718..2900, 2719..2901, 2719..2895		

Seq. No.	23183	Seq. ID	OJ990825_04.9B01.C2
Gene No.	48234	Strand	
Start	2713	End	3872
Name	OJ990825_04.9B01.C2.o1.ts	Method	TBLASTX:Soybean
Start	2717	End	2909
GI	none	Score	259
Exons	2717..2899, 2728..2895, 2814..2909		

Seq. No.	23183	Seq. ID	OJ990825_04.9B01.C2
Gene No.	48234	Strand	
Start	2713	End	3872
Name	OJ990825_04.9B01.C2.o1.tw	Method	TBLASTX:Wheat
Start	2720	End	2925
GI	none	Score	197
Exons	2720..2899, 2770..2895, 2782..2925		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48235	Strand	+
Start	7487	End	8417
Name	OJ990825_04.9B01.C3.o2.gs	Method	GENSCAN
Start	7487	End	8417

GI	none	Score	.58
Exons	7487..7630, 8337..8417		
Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48236	Strand	+
Start	12190	End	14201
Name	OJ990825_04.9B01.C3.o4.gs	Method	GENSCAN
Start	12190	End	14201
GI	none	Score	.58
Exons	12190..12392, 12971..13228, 13474..13552, 13658..13719, 14081..14201		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48237	Strand	+
Start	15422	End	18117
Name	OJ990825_04.9B01.C3.o5.gs	Method	GENSCAN
Start	15422	End	16318
GI	none	Score	.62
Exons	15422..15535, 16178..16318		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48237	Strand	+
Start	15422	End	18117
Name	OJ990825_04.9B01.C3.o4.np	Method	AAT/NAP
Start	15511	End	18117
GI	4678269	Score	57
Exons	15511..15539, 17982..18117		
GI Descrip.	(AL049660) putative protein [Arabidopsis thaliana]		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48238	Strand	-
Start	776	End	7111
Name	OJ990825_04.9B01.C3.o1.gp	Method	AAT/GAP
Start	342	End	3915
GI	19933 1.R1084	Score	2367
Exons	342..661, 761..1355, 1431..1496, 1885..2047, 2151..2242, 3871..3915		
GI Descrip.	'2129740/pir S71367 1.0e-28 small nuclear ribonucleoprotein - Arabidopsis thaliana >gi_2129756_pir_S71411 U1 snRNP 70K protein - Arabidopsis thaliana >gi_1255711 (M93439) small nuclear ribonucleoprotein [Arabidopsis thaliana] >gi_1354469 (U52909) U1 snRNP 70K protein [Arabidopsis thaliana]		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48238	Strand	-
Start	776	End	7111
Name	OJ990825_04.9B01.C3.o1.gs	Method	GENSCAN
Start	776	End	7111
GI	none	Score	.88
Exons	776..1355, 1431..1496, 1885..2047, 2151..2232, 3861..3923, 4023..4087, 4169..4244, 4958..5037, 5198..5312, 5413..5619, 6013..6171, 6269..6326, 7104..7111		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48238	Strand	-
Start	776	End	7111
Name	OJ990825_04.9B01.C3.o1.np	Method	AAT/NAP

Start 833 End 5514
 GI 2129740 Score 876
 Exons 833..1355, 1884..2047, 2151..2232, 3861..3923, 4023..4087, 4169..4244, 4958..5037, 5198..5312, 5413..5514
 GI Descrip. small nuclear ribonucleoprotein - Arabidopsis thaliana
 gi|2129756|pir||S71411 U1 snRNP 70K protein - Arabidopsis
 thaliana gi|1255711 (M93439) small nuclear ribonucleoprotein
 [Arabidopsis thaliana] gi|1354469 (U52909) U1 snRNP 70K protein
 [Arabidopsis thaliana] gi|6561970|emb|CAB62436.1| (AL132979) U1
 snRNP 70K protein [Arabidopsis thaliana]

Seq. No. 23184 Seq. ID OJ990825_04.9B01.C3
 Gene No. 48238 Strand -
 Start 776 End 7111
 Name OJ990825_04.9B01.C3.o2.gp Method AAT/GAP
 Start 4184 End 5624
 GI 12799_1.R1084 Score 828
 Exons 4184..4244, 4958..5037, 5198..5312, 5413..5624
 GI Descrip. '1354466 3.0e-34 (U52910) U1 snRNP 70K truncated protein
 [Arabidopsis thaliana] >gi_1354468 (U52909) U1 snRNP 70K
 truncated protein [Arabidopsis thaliana]'

Seq. No. 23184 Seq. ID OJ990825_04.9B01.C3
 Gene No. 48239 Strand -
 Start 9532 End 11433
 Name OJ990825_04.9B01.C3.o2.np Method AAT/NAP
 Start 9478 End 11433
 GI 4249662 Score 170
 Exons 9478..9570, 9688..9792, 9864..9974, 11402..11433
 GI Descrip. (AF089810) Altered Response to Gravity [Arabidopsis thaliana]
 gi|6714354|gb|AAF26045.1|AC015986_8 (AC015986) ARG1 protein
 (Altered Response to Gravity) [Arabidopsis thaliana]

Seq. No. 23184 Seq. ID OJ990825_04.9B01.C3
 Gene No. 48239 Strand -
 Start 9532 End 11433
 Name OJ990825_04.9B01.C3.o3.gs Method GENSCAN
 Start 9532 End 10483
 GI none Score .77
 Exons 9532..9570, 9688..9792, 9864..9954, 10101..10483

Seq. No. 23184 Seq. ID OJ990825_04.9B01.C3
 Gene No. 48240 Strand -
 Start 14752 End 16338
 Name OJ990825_04.9B01.C3.o3.np Method AAT/NAP
 Start 14752 End 16338
 GI 5922620 Score 183
 Exons 14752..14991, 15136..15192, 15985..16135, 16295..16338
 GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the
 predicted gene.; hypothetical protein [Oryza sativa]
 gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514)
 corresponds to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No. 23184 Seq. ID OJ990825_04.9B01.C3
 Gene No. 48241 Strand -
 Start 17539 End 27550

Name	OJ990825_04.9B01.C3.o1.tm	Method	TBLASTX:Maize
Start	793	End	5505
GI	none	Score	78
Exons	793..885, 796..885, 875..922, 882..917, 916..951, 920..949, 965..1009, 969..1010, 1010..1036, 1011..1040, 1060..1113, 1061..1087, 1092..1139, 1108..1140, 1198..1356, 1276..1356, 1426..1497, 1427..1498, 1872..2048, 1883..2071, 2148..2207, 2149..2235, 2153..2233, 3855..3923, 3858..3923, 4023..4097, 4023..4085, 4166..4246, 4170..4250, 4958..5038, 4959..5039, 5172..5312, 5175..5312, 5194..5313, 5422..5454, 5473..5505		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48241	Strand	-
Start	17539	End	27550
Name	OJ990825_04.9B01.C3.o1.ts	Method	TBLASTX:Soybean
Start	1869	End	2239
GI	none	Score	128
Exons	1869..2045, 1884..2045, 1900..2046, 1904..2050, 1913..2050, 2149..2223, 2149..2238, 2153..2239, 2153..2239		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48241	Strand	-
Start	17539	End	27550
Name	OJ990825_04.9B01.C3.o2.tc	Method	TBLASTX:Cress
Start	1913	End	5312
GI	none	Score	74
Exons	1913..1996, 1913..2038, 1914..2042, 1956..2045, 2149..2235, 2153..2233, 2153..2239, 3855..3923, 3858..3923, 4023..4085, 4024..4086, 4964..5038, 4974..5039, 5193..5312		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48241	Strand	-
Start	17539	End	27550
Name	OJ990825_04.9B01.C3.o2.tm	Method	TBLASTX:Maize
Start	9495	End	9936
GI	none	Score	126
Exons	9495..9572, 9685..9792, 9686..9796, 9862..9936, 9864..9935		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48241	Strand	-
Start	17539	End	27550
Name	OJ990825_04.9B01.C3.o3.tc	Method	TBLASTX:Cress
Start	9685	End	9962
GI	none	Score	134
Exons	9685..9792, 9689..9796, 9862..9936, 9864..9962		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48241	Strand	-
Start	17539	End	27550
Name	OJ990825_04.9B01.C3.o6.gs	Method	GENSCAN
Start	17539	End	27354
GI	none	Score	.5
Exons	17539..17742, 17781..17915, 18697..18758, 20018..20123, 26685..26734, 27297..27354		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48241	Strand	-

Start	17539	End	27550
Name	OJ990825_04.9B01.C3.o5.np	Method	AAT/NAP
Start	21230	End	27550
GI	4938486	Score	228
Exons	21230..21249, 24335..24533, 24609..24724, 25641..25886, 26126..26309, 27530..27550		

GI Descrip. (AL078464) putative protein [Arabidopsis thaliana]

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48241	Strand	-
Start	17539	End	27550
Name	OJ990825_04.9B01.C3.o3.gp	Method	AAT/GAP
Start	24311	End	25671
GI	LIB3432-019-P1-K1-C10	Score	784
Exons	24311..24533, 24609..24736, 25593..25671		
GI Descrip.	'4938486/emb CAB43845.1 1.0e-26 (AL078464) putative protein [Arabidopsis thaliana]'		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48241	Strand	-
Start	17539	End	27550
Name	OJ990825_04.9B01.C3.o1.tc	Method	TBLASTX:Cress
Start	24318	End	26794
GI	none	Score	114
Exons	24318..24347, 24339..24536, 24376..24534, 24606..24686, 24616..24720, 26667..26750, 26692..26751, 26695..26751, 26753..26794		

Seq. No.	23184	Seq. ID	OJ990825_04.9B01.C3
Gene No.	48241	Strand	-
Start	17539	End	27550
Name	OJ990825_04.9B01.C3.o3.tm	Method	TBLASTX:Maize
Start	24379	End	24528
GI	none	Score	133
Exons	24379..24528, 24381..24527		

Seq. No.	23185	Seq. ID	OJ990825_04.9B01.C4
Gene No.	48242	Strand	-
Start	39	End	1718
Name	OJ990825_04.9B01.C4.o1.gs	Method	GENSCAN
Start	39	End	1718
GI	none	Score	.85
Exons	39..1718		

Seq. No.	23185	Seq. ID	OJ990825_04.9B01.C4
Gene No.	48242	Strand	-
Start	39	End	1718
Name	OJ990825_04.9B01.C4.o1.ts	Method	TBLASTX:Soybean
Start	54	End	1562
GI	none	Score	54
Exons	54..242, 81..755, 195..665, 198..905, 220..480, 222..905, 513..866, 526..762, 580..753, 621..944, 634..900, 666..842, 855..1562, 1041..1298, 1062..1388		

Seq. No.	23185	Seq. ID	OJ990825_04.9B01.C4
Gene No.	48242	Strand	-
Start	39	End	1718

Name	OJ990825_04.9B01.C4.o1.tc	Method	TBLASTX:Crèss
Start	75	End	1694
GI	none	Score	66
Exons	75..317, 78..422, 399..740, 432..761, 522..857, 636..968, 732..905, 1048..1200, 1050..1265, 1062..1379, 1164..1367, 1245..1373, 1395..1694		
Seq. No.	23185	Seq. ID	OJ990825_04.9B01.C4
Gene No.	48242	Strand	-
Start	39	End	1718
Name	OJ990825_04.9B01.C4.o1.tm	Method	TBLASTX:Maize
Start	78	End	1685
GI	none	Score	74
Exons	78..341, 87..656, 118..690, 189..761, 231..857, 333..794, 513..944, 543..917, 1023..1286, 1065..1367, 1071..1394, 1551..1685		
Seq. No.	23186	Seq. ID	OJ990825_04.9B01.C5
Gene No.	48243	Strand	+
Start	1079	End	1164
Name	OJ990825_04.9B01.C5.o1.gs	Method	GENSCAN
Start	1079	End	1164
GI	none	Score	.72
Exons	1079..1164		
Seq. No.	23186	Seq. ID	OJ990825_04.9B01.C5
Gene No.	48244	Strand	-
Start	2078	End	2205
Name	OJ990825_04.9B01.C5.o1.tm	Method	TBLASTX:Maize
Start	1284	End	1966
GI	none	Score	149
Exons	1284..1577, 1293..1421, 1295..1432, 1308..1472, 1311..1466, 1314..1478, 1328..1567, 1346..1438, 1364..1390, 1416..1631, 1417..1647, 1417..1647, 1418..1648, 1507..1662, 1509..1655, 1510..1662, 1513..1650, 1534..1662, 1541..1669, 1541..1663, 1544..1663, 1549..1680, 1589..1627, 1621..1782, 1626..1805, 1658..1777, 1672..1779, 1679..1810, 1681..1785, 1688..1810, 1695..1787, 1696..1779, 1697..1825, 1703..1816, 1705..1794, 1706..1828, 1710..1832, 1818..1889, 1849..1878, 1850..1909, 1850..1966, 1866..1937		
Seq. No.	23186	Seq. ID	OJ990825_04.9B01.C5
Gene No.	48244	Strand	-
Start	2078	End	2205
Name	OJ990825_04.9B01.C5.o2.gs	Method	GENSCAN
Start	2078	End	2205
GI	none	Score	.93
Exons	2078..2205		
Seq. No.	23187	Seq. ID	OJ990825_04.9B01.C6
Gene No.	48245	Strand	+
Start	1	End	322
Name	OJ990825_04.9B01.C6.o1.gp	Method	AAT/GAP
Start	1	End	322
GI	7406_1.R1084	Score	400
Exons	1..213, 248..322		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0		

[Pennisetum glaucum]'

Seq. No. 23187 Seq. ID OJ990825_04.9B01.C6
Gene No. 48246 Strand -
Start 516 End 4941
Name OJ990825_04.9B01.C6.o2.gp Method AAT/GAP
Start 265 End 718
GI LIB3431-045-P1-N1-A10 Score 836
Exons 265..718
GI Descrip. '5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic
DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No. 23187 Seq. ID OJ990825_04.9B01.C6
Gene No. 48246 Strand -
Start 516 End 4941
Name OJ990825_04.9B01.C6.o1.gs Method GENSCAN
Start 516 End 4941
GI none Score .65
Exons 516..703, 854..1056, 1061..1108, 1172..1303, 1550..1647,
1674..1799, 1892..2150, 2227..2525, 2615..3025, 3199..3445,
3551..3701, 4086..4381, 4583..4941

Seq. No. 23187 Seq. ID OJ990825_04.9B01.C6
Gene No. 48246 Strand -
Start 516 End 4941
Name OJ990825_04.9B01.C6.o1.np Method AAT/NAP
Start 822 End 4834
GI 5441880 Score 3069
Exons 822..1056, 1172..1303, 1550..1647, 1892..2150, 2227..2525,
3109..3445, 3551..3701, 4206..4521, 4780..4834
GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the
predicted gene.; Similar to maize transposon MuDR mudrA protein.
(AC003981) [Oryza sativa]

Seq. No. 23187 Seq. ID OJ990825_04.9B01.C6
Gene No. 48246 Strand -
Start 516 End 4941
Name OJ990825_04.9B01.C6.o3.gp Method AAT/GAP
Start 1900 End 2399
GI LIB3475-007-P1-K1-G8 Score 805
Exons 1900..2150, 2227..2399
GI Descrip. '5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)
corresponds to a region of the predicted gene.; Similar to maize
transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No. 23188 Seq. ID OJ990825_04.9B01.C7
Gene No. 48247 Strand +
Start 1785 End 1854
Name OJ990825_04.9B01.C7.o2.gp Method AAT/GAP
Start 1785 End 1854
GI 7406_1.R1084 Score 88
Exons 1785..1854
GI Descrip. '1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0
[Pennisetum glaucum]'

Seq. No. 23188 Seq. ID OJ990825_04.9B01.C7
Gene No. 48248 Strand -

Start	1	End	1347
Name	OJ990825_04.9B01.C7.o1.gp		Method AAT/GAP
Start	1	End	290
GI	5701669	Score	560
Exons	1..290		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23188	Seq. ID	OJ990825_04.9B01.C7
Gene No.	48248	Strand	-
Start	1	End	1347
Name	OJ990825_04.9B01.C7.o1.np	Method	AAT/NAP
Start	1	End	894
GI	5441880	Score	1582
Exons	1..894		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23188	Seq. ID	OJ990825_04.9B01.C7
Gene No.	48248	Strand	-
Start	1	End	1347
Name	OJ990825_04.9B01.C7.o1.tm	Method	TBLASTX:Maize
Start	10	End	333
GI	none	Score	92
Exons	10..171, 11..154, 205..333, 227..325		

Seq. No.	23188	Seq. ID	OJ990825_04.9B01.C7
Gene No.	48248	Strand	-
Start	1	End	1347
Name	OJ990825_04.9B01.C7.o1.gs	Method	GENSCAN
Start	72	End	1347
GI	none	Score	.96
Exons	72..1347		

Seq. No.	23189	Seq. ID	OJ990825_04.9B01.C8
Gene No.	48249	Strand	-
Start	987	End	2816
Name	OJ990825_04.9B01.C8.o1.gs	Method	GENSCAN
Start	987	End	2816
GI	none	Score	.45
Exons	987..1141, 1747..1950, 2189..2816		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48250	Strand	+
Start	3200	End	9324
Name	OJ990825_04.9B01.C9.o1.np	Method	AAT/NAP
Start	3200	End	8800
GI	4512618	Score	1204
Exons	3200..3295, 4891..4991, 6917..8333, 8564..8623, 8730..8800		
GI Descrip.	(AC004793) Strong similarity to gi 3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb AF080119 and is a member of the reverse transcriptase family PF 00078.		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48250	Strand	+

Start	3200	End	9324
Name	OJ990825_04.9B01.C9.o2.np		Method AAT/NAP
Start	4697	End	9324
GI	6850900	Score	945
Exons	4697..4733, 5636..5731, 6926..8065, 9051..9324		
GI Descrip.	(AL137898) copia-type polyprotein [Arabidopsis thaliana]		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48250	Strand	+
Start	3200	End	9324
Name	OJ990825_04.9B01.C9.o2.gs	Method	GENSCAN
Start	5339	End	9292
GI	none	Score	.44
Exons	5339..6110, 6279..8440, 9023..9292		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48251	Strand	-
Start	544	End	5153
Name	OJ990825_04.9B01.C9.o1.gs	Method	GENSCAN
Start	544	End	5153
GI	none	Score	.85
Exons	544..674, 2143..2483, 2488..2745, 3724..3875, 3971..4162, 4396..4491, 4518..4874, 5049..5153		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48251	Strand	-
Start	544	End	5153
Name	OJ990825_04.9B01.C9.o1.gp	Method	AAT/GAP
Start	3527	End	4001
GI	3768584	Score	748
Exons	3527..3895, 3971..4001		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48252	Strand	-
Start	9833	End	15130
Name	OJ990825_04.9B01.C9.o3.gs	Method	GENSCAN
Start	9833	End	15130
GI	none	Score	.58
Exons	9833..10306, 11279..11296, 13796..13821, 14592..14689, 14743..14949, 15099..15130		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48253	Strand	-
Start	15890	End	19051
Name	OJ990825_04.9B01.C9.o3.np	Method	AAT/NAP
Start	15843	End	18124
GI	6587820	Score	504
Exons	15843..16932, 17843..17901, 18031..18124		
GI Descrip.	(AC010924) Contains similarity to gb AJ009695 wall-associated kinase 4 from Arabidopsis thaliana and contains a protein kinase PF 00069 domain.		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48253	Strand	-
Start	15890	End	19051
Name	OJ990825_04.9B01.C9.o4.np	Method	AAT/NAP
Start	15886	End	19045

GI 4966347 Score 589
 Exons 15886..16929, 17878..17965, 18070..18140, 18178..18634, 18708..19045
 GI Descrip. (AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.

Seq. No. 23190 Seq. ID OJ990825_04.9B01.C9
 Gene No. 48253 Strand -
 Start 15890 End 19051
 Name OJ990825_04.9B01.C9.o4.gs Method GENSCAN
 Start 15890 End 16819
 GI none Score .93
 Exons 15890..16819

Seq. No. 23190 Seq. ID OJ990825_04.9B01.C9
 Gene No. 48253 Strand -
 Start 15890 End 19051
 Name OJ990825_04.9B01.C9.o5.gs Method GENSCAN
 Start 17588 End 19051
 GI none Score .74
 Exons 17588..17604, 17780..17965, 18070..19051

Seq. No. 23190 Seq. ID OJ990825_04.9B01.C9
 Gene No. 48254 Strand -
 Start 20536 End 20845
 Name OJ990825_04.9B01.C9.o6.tm Method TBLASTX:Maize
 Start 211 End 13203
 GI none Score 63
 Exons 211..315, 225..362, 237..314, 238..315, 336..476, 366..476, 385..492, 385..528, 385..459, 390..470, 472..630, 475..657, 484..645, 484..624, 491..625, 495..623, 502..630, 503..655, 516..668, 517..669, 517..666, 521..667, 604..693, 604..696, 657..749, 679..750, 685..876, 688..831, 700..855, 703..831, 725..838, 731..910, 733..909, 734..910, 12685..12801, 12707..12781, 12709..12789, 12803..12940, 12805..12960, 12826..12957, 12827..12958, 12833..12946, 12834..12947, 12840..12965, 12924..13067, 12957..13064, 12975..13148, 12976..13101, 12989..13069, 12994..13080, 13105..13203, 13135..13167, 13139..13171, 13140..13172

Seq. No. 23190 Seq. ID OJ990825_04.9B01.C9
 Gene No. 48254 Strand -
 Start 20536 End 20845
 Name OJ990825_04.9B01.C9.o4.ts Method TBLASTX:Soybean
 Start 2345 End 2721
 GI none Score 103
 Exons 2345..2476, 2350..2463, 2467..2547, 2566..2721

Seq. No. 23190 Seq. ID OJ990825_04.9B01.C9
 Gene No. 48254 Strand -
 Start 20536 End 20845
 Name OJ990825_04.9B01.C9.o5.tm Method TBLASTX:Maize
 Start 2350 End 2643
 GI none Score 139
 Exons 2350..2451, 2354..2464, 2354..2458, 2422..2643, 2465..2527, 2466..2537, 2470..2643

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o4.tc	Method	TBLASTX:Cress
Start	2354	End	2724
GI	none	Score	107
Exons	2354..2482, 2548..2724, 2566..2724		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o7.tm	Method	TBLASTX:Maize
Start	6416	End	6913
GI	none	Score	76
Exons	6416..6589, 6620..6913		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o2.tc	Method	TBLASTX:Cress
Start	6922	End	7174
GI	none	Score	251
Exons	6922..7146, 6923..7174		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o3.ts	Method	TBLASTX:Soybean
Start	6923	End	7279
GI	5509260	Score	287
Exons	6923..7279		
GI Descrip.	-		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o2.tw	Method	TBLASTX:Wheat
Start	6955	End	7459
GI	none	Score	254
Exons	6955..7068, 6956..7300, 7114..7275, 7292..7459		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o2.tm	Method	TBLASTX:Maize
Start	7088	End	7534
GI	none	Score	467
Exons	7088..7528, 7088..7345, 7111..7527, 7409..7534		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o5.tc	Method	TBLASTX:Cress
Start	7295	End	7630
GI	none	Score	44
Exons	7295..7333, 7361..7630		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o1.tw	Method	TBLASTX:Wheat
Start	7462	End	7885
GI	none	Score	151
Exons	7462..7578, 7463..7639, 7642..7884, 7643..7885		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o3.tm	Method	TBLASTX:Maize
Start	7547	End	8993
GI	none	Score	43
Exons	7547..7576, 7586..7969, 7657..7953, 8883..8993		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o3.tc	Method	TBLASTX:Cress
Start	7643	End	9294
GI	none	Score	98
Exons	7643..7828, 7937..8065, 8072..8287, 8092..8259, 8883..9005, 9035..9286, 9061..9294		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o1.ts	Method	TBLASTX:Soybean
Start	7664	End	9238
GI	none	Score	345
Exons	7664..8056, 7669..7782, 7861..8250, 8087..8332, 8886..8993, 9020..9238, 9106..9237		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o4.tm	Method	TBLASTX:Maize
Start	7970	End	9238
GI	none	Score	303
Exons	7970..8266, 7975..8055, 7988..8119, 8077..8268, 8274..8330, 9026..9238		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o5.tw	Method	TBLASTX:Wheat
Start	8122	End	9286
GI	none	Score	180
Exons	8122..8301, 8126..8329, 9110..9286		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o8.tm	Method	TBLASTX:Maize
Start	10364	End	10775
GI	none	Score	122

Exons 10364..10558, 10608..10775

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o1.tc	Method	TBLASTX:Cress
Start	15917	End	18949
GI	none	Score	119
Exons	15917..16111, 16052..16447, 16128..16445, 16452..16709, 16463..16717, 16781..16834, 17808..17909, 18071..18166, 18299..18370, 18410..18463, 18872..18949		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o1.tm	Method	TBLASTX:Maize
Start	15917	End	16717
GI	none	Score	136
Exons	15917..16030, 16052..16444, 16131..16445, 16451..16717, 16482..16706		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o2.ts	Method	TBLASTX:Soybean
Start	16097	End	16837
GI	none	Score	140
Exons	16097..16453, 16137..16451, 16401..16610, 16454..16609, 16632..16706, 16637..16717, 16766..16837, 16779..16811		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o4.tw	Method	TBLASTX:Wheat
Start	16124	End	16432
GI	none	Score	79
Exons	16124..16432, 16125..16355		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o3.tw	Method	TBLASTX:Wheat
Start	16448	End	16708
GI	none	Score	69
Exons	16448..16708, 16460..16681, 16482..16706		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845
Name	OJ990825_04.9B01.C9.o6.gs	Method	GENSCAN
Start	20536	End	20781
GI	none	Score	.54
Exons	20536..20781		

Seq. No.	23190	Seq. ID	OJ990825_04.9B01.C9
Gene No.	48254	Strand	-
Start	20536	End	20845

Name	OJ990825_04.9B01.C9.o2.gp	Method	AAT/GAP
Start	20595	End	20845
GI	2280956	Score	478
Exons	20595..20845		
Seq. No.	23191	Seq. ID	OJ990825_04.9B01.C10
Gene No.	48255	Strand	-
Start	3054	End	4746
Name	OJ990825_04.9B01.C10.o2.gs	Method	GENSCAN
Start	3054	End	4746
GI	none	Score	.78
Exons	3054..3131, 3602..3665, 4275..4466, 4571..4746		
Seq. No.	23192	Seq. ID	OJ990825_04.9B01.C11
Gene No.	48256	Strand	+
Start	324	End	2916
Name	OJ990825_04.9B01.C11.o1.gs	Method	GENSCAN
Start	324	End	2916
GI	none	Score	.7
Exons	324..477, 1881..1977, 2335..2480, 2900..2916		
Seq. No.	23192	Seq. ID	OJ990825_04.9B01.C11
Gene No.	48256	Strand	+
Start	324	End	2916
Name	OJ990825_04.9B01.C11.o1.np	Method	AAT/NAP
Start	334	End	1767
GI	6498436	Score	203
Exons	334..669, 1751..1767		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	23192	Seq. ID	OJ990825_04.9B01.C11
Gene No.	48257	Strand	+
Start	5487	End	7300
Name	OJ990825_04.9B01.C11.o2.np	Method	AAT/NAP
Start	5464	End	7300
GI	6624897	Score	689
Exons	5464..5666, 5808..5964, 6237..6344, 6511..6638, 6738..6866, 6953..7020, 7100..7300		
GI Descrip.	(AJ243527) acid phosphatase type 5 [Arabidopsis thaliana]		
Seq. No.	23192	Seq. ID	OJ990825_04.9B01.C11
Gene No.	48257	Strand	+
Start	5487	End	7300
Name	OJ990825_04.9B01.C11.o2.gs	Method	GENSCAN
Start	5487	End	7257
GI	none	Score	.89
Exons	5487..5666, 5808..5964, 6237..6344, 6511..6638, 6738..6866, 6953..7020, 7100..7257		
Seq. No.	23192	Seq. ID	OJ990825_04.9B01.C11
Gene No.	48257	Strand	+
Start	5487	End	7300
Name	OJ990825_04.9B01.C11.o1.tm	Method	TBLASTX:Maize
Start	5499	End	7259
GI	none	Score	153
Exons	5499..5600, 5534..5659, 5535..5669, 5795..5962, 5805..5963, 5808..5963, 6230..6343, 6235..6342, 6512..6631, 6513..6638,		

6519..6638, 6737..6862, 6738..6833, 6797..6868, 6944..7018,
6950..7018, 6951..7037, 6951..7025, 7097..7237, 7097..7258,
7101..7259

Seq. No.	23192	Seq. ID	OJ990825_04.9B01.C11
Gene No.	48257	Strand	+
Start	5487	End	7300
Name	OJ990825_04.9B01.C11.o1.ts	Method	TBLASTX:Soybean
Start	5868	End	7259
GI	none	Score	68
Exons	5868..5960, 6230..6343, 6235..6339, 6515..6634, 6516..6638, 6737..6865, 6738..6833, 6907..7011, 6908..7012, 7091..7174, 7096..7158, 7104..7187, 7155..7259, 7175..7258, 7179..7241		

Seq. No.	23192	Seq. ID	OJ990825_04.9B01.C11
Gene No.	48257	Strand	+
Start	5487	End	7300
Name	OJ990825_04.9B01.C11.o1.gp	Method	AAT/GAP
Start	6320	End	7242
GI	702307	Score	796
Exons	6320..6344, 6511..6638, 6738..6866, 6953..7020, 7100..7242		
GI Descrip.	4522012/gb AAD21785.1 3.0e-29 (AC007069) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23192	Seq. ID	OJ990825_04.9B01.C11
Gene No.	48257	Strand	+
Start	5487	End	7300
Name	OJ990825_04.9B01.C11.o1.tc	Method	TBLASTX:Cress
Start	6777	End	7259
GI	none	Score	64
Exons	6777..6830, 6943..7029, 6944..7012, 7104..7148, 7115..7147, 7167..7259, 7178..7258		

Seq. No.	23192	Seq. ID	OJ990825_04.9B01.C11
Gene No.	48257	Strand	+
Start	5487	End	7300
Name	OJ990825_04.9B01.C11.o2.gp	Method	AAT/GAP
Start	7114	End	7260
GI	5056126	Score	250
Exons	7114..7260		

Seq. No.	23193	Seq. ID	OJ990825_04.9B01.C12
Gene No.	48258	Strand	-
Start	48	End	6549
Name	OJ990825_04.9B01.C12.o1.gs	Method	GENSCAN
Start	48	End	6549
GI	none	Score	.59
Exons	48..352, 432..545, 615..680, 749..1164, 1216..1564, 1580..1877, 1969..2726, 2825..2941, 5611..6014, 6432..6549		

Seq. No.	23193	Seq. ID	OJ990825_04.9B01.C12
Gene No.	48258	Strand	-
Start	48	End	6549
Name	OJ990825_04.9B01.C12.o1.tm	Method	TBLASTX:Maize
Start	4641	End	5382
GI	none	Score	43
Exons	4641..4835, 4866..5084, 4879..4914, 4960..5052, 5116..5382		

Seq. No.	23193	Seq. ID	OJ990825_04.9B01.C12
Gene No.	48258	Strand	-
Start	48	End	6549
Name	OJ990825_04.9B01.C12.o1.np	Method	AAT/NAP
Start	5013	End	5418
GI	2462640	Score	494
Exons	5013..5418		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	23193	Seq. ID	OJ990825_04.9B01.C12
Gene No.	48258	Strand	-
Start	48	End	6549
Name	OJ990825_04.9B01.C12.o1.tw	Method	TBLASTX:Wheat
Start	6172	End	6495
GI	none	Score	119
Exons	6172..6495, 6173..6484		

Seq. No.	23194	Seq. ID	OJ990915_09.9B02.C1
Gene No.	48259	Strand	+
Start	12341	End	14694
Name	OJ990915_09.9B02.C1.o3.gs	Method	GENSCAN
Start	12341	End	14694
GI	none	Score	.66
Exons	12341..12391, 12488..12629, 12780..13957, 14039..14380, 14521..14694		

Seq. No.	23194	Seq. ID	OJ990915_09.9B02.C1
Gene No.	48260	Strand	-
Start	896	End	8564
Name	OJ990915_09.9B02.C1.o1.np	Method	AAT/NAP
Start	896	End	8441
GI	3617770	Score	1848
Exons	896..1132, 1211..1303, 1869..1961, 2907..2993, 3318..3350, 3451..3545, 4950..5034, 5138..5224, 5339..5435, 5529..5617, 6117..6206, 6289..6417, 6743..6817, 7028..7117, 7209..7268, 7434..7671, 8212..8441		
GI Descrip.	(Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	23194	Seq. ID	OJ990915_09.9B02.C1
Gene No.	48260	Strand	-
Start	896	End	8564
Name	OJ990915_09.9B02.C1.o1.gs	Method	GENSCAN
Start	911	End	8414
GI	none	Score	.81
Exons	911..1132, 1211..1303, 1869..1961, 2907..2993, 3318..3350, 3451..3545, 4155..4370, 4950..5034, 5138..5224, 6117..6206, 6289..6417, 7028..7117, 7434..7671, 8212..8414		

Seq. No.	23194	Seq. ID	OJ990915_09.9B02.C1
Gene No.	48260	Strand	-
Start	896	End	8564
Name	OJ990915_09.9B02.C1.o1.gp	Method	AAT/GAP
Start	3451	End	6403
GI	17764_1.R1084	Score	1053
Exons	3451..3545, 4950..5034, 5138..5224, 5339..5435, 5529..5617, 6117..6206, 6289..6403		

GI Descrip. '3617770/emb|CAA74705| 8.0e-87 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]'

Seq. No. 23194 Seq. ID OJ990915_09.9B02.C1
Gene No. 48260 Strand -
Start 896 End 8564
Name OJ990915_09.9B02.C1.o2.gp Method AAT/GAP
Start 7532 End 8564
GI uC-osf1M202123c07b1 Score 951
Exons 7532..7671, 8212..8564
GI Descrip. '3617770/emb|CAA74705| 2.0e-20 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]'

Seq. No. 23194 Seq. ID OJ990915_09.9B02.C1
Gene No. 48261 Strand -
Start 10047 End 12048
Name OJ990915_09.9B02.C1.o2.gs Method GENSCAN
Start 10047 End 12048
GI none Score 85
Exons 10047..10207, 10340..10691, 11555..11601, 11934..12048

Seq. No. 23194 Seq. ID OJ990915_09.9B02.C1
Gene No. 48262 Strand -
Start 15450 End 16577
Name OJ990915_09.9B02.C1.o1.tc Method TBLASTX:Cress
Start 900 End 8330
GI none Score 118
Exons 900..1136, 905..1138, 909..1037, 941..1138, 1208..1303, 1209..1298, 1873..1962, 1875..1961, 2907..2996, 3315..3350, 3430..3546, 3431..3547, 4951..5034, 4952..5035, 5135..5233, 5138..5227, 5336..5437, 5337..5438, 5531..5629, 5531..5617, 6117..6206, 6133..6207, 6289..6423, 6290..6424, 6312..6446, 6731..6820, 6744..6818, 7004..7120, 7035..7118, 7209..7271, 7210..7266, 7425..7661, 7434..7673, 7438..7698, 7701..7724, 8211..8330

Seq. No. 23194 Seq. ID OJ990915_09.9B02.C1
Gene No. 48262 Strand -
Start 15450 End 16577
Name OJ990915_09.9B02.C1.o1.ts Method TBLASTX:Soybean
Start 900 End 1322
GI none Score 115
Exons 900..1097, 901..1086, 905..1138, 909..1136, 1176..1307, 1199..1312, 1208..1315, 1218..1322

Seq. No. 23194 Seq. ID OJ990915_09.9B02.C1
Gene No. 48262 Strand -
Start 15450 End 16577
Name OJ990915_09.9B02.C1.o1.tm Method TBLASTX:Maize
Start 908 End 4992
GI none Score 244
Exons 908..1138, 909..1136, 911..1138, 1208..1306, 1209..1304, 1866..1961, 1869..1961, 1873..1962, 1873..1962, 2907..2996, 2908..2994, 2925..2996, 3313..3351, 3315..3350, 3320..3358, 3430..3546, 3431..3547, 3449..3547, 3450..3548, 4951..4992

Seq. No. 23194 Seq. ID OJ990915_09.9B02.C1

Gene No.	48262	Strand	-
Start	15450	End	16577
Name	OJ990915_09.9B02.C1.o2.ts	Method	TBLASTX:Soybean
Start	1866	End	7532
GI	none	Score	100
Exons	1866..1961, 1870..1962, 2907..2996, 2908..2994, 3314..3352, 3315..3350, 3430..3546, 3449..3547, 4939..5037, 4949..5041, 4951..5049, 4952..5041, 5115..5216, 5135..5233, 5144..5233, 5336..5437, 5337..5444, 5338..5481, 5534..5617, 6112..6210, 6117..6206, 6289..6423, 6293..6418, 6307..6423, 6731..6823, 6744..6824, 7004..7114, 7198..7269, 7204..7269, 7209..7271, 7434..7532		

Seq. No.	23194	Seq. ID	OJ990915_09.9B02.C1
Gene No.	48262	Strand	-
Start	15450	End	16577
Name	OJ990915_09.9B02.C1.o2.tm	Method	TBLASTX:Maize
Start	5157	End	8328
GI	none	Score	99
Exons	5157..5225, 5157..5225, 5158..5226, 5159..5239, 5159..5233, 5336..5437, 5337..5444, 5530..5625, 5534..5617, 6111..6194, 6112..6210, 6120..6206, 6289..6312, 6301..6423, 6314..6418, 6731..6823, 6734..6817, 6742..6819, 6744..6824, 7004..7120, 7009..7119, 7208..7264, 7209..7271, 7210..7269, 7422..7670, 7434..7673, 7435..7674, 7528..7674, 8211..8318, 8212..8328, 8212..8322		

Seq. No.	23194	Seq. ID	OJ990915_09.9B02.C1
Gene No.	48262	Strand	-
Start	15450	End	16577
Name	OJ990915_09.9B02.C1.o3.ts	Method	TBLASTX:Soybean
Start	7533	End	8318
GI	none	Score	112
Exons	7533..7673, 7534..7674, 8211..8318		

Seq. No.	23194	Seq. ID	OJ990915_09.9B02.C1
Gene No.	48262	Strand	-
Start	15450	End	16577
Name	OJ990915_09.9B02.C1.o4.gs	Method	GENSCAN
Start	15450	End	16418
GI	none	Score	.92
Exons	15450..16418		

Seq. No.	23194	Seq. ID	OJ990915_09.9B02.C1
Gene No.	48262	Strand	-
Start	15450	End	16577
Name	OJ990915_09.9B02.C1.o3.np	Method	AAT/NAP
Start	15513	End	16577
GI	157608	Score	80
Exons	15513..15739, 15977..16038, 16399..16577		
GI Descrip.	(M69216) ORF1 [Drosophila melanogaster]		

Seq. No.	23195	Seq. ID	OJ990915_09.9B02.C3
Gene No.	48263	Strand	-
Start	1670	End	13365
Name	OJ990915_09.9B02.C3.o2.gs	Method	GENSCAN
Start	1670	End	13360

GI none Score .58
Exons 1670..1873, 1954..2369, 2465..2676, 3036..3141, 3190..3513, 3599..3849, 5435..5520, 6406..6568, 8308..8423, 11665..12033, 13020..13360

Seq. No. 23195 Seq. ID OJ990915_09.9B02.C3
Gene No. 48263 Strand -
Start 1670 End 13365
Name OJ990915_09.9B02.C3.o1.np Method AAT/NAP
Start 8781 End 11740
GI 5042463 Score 172
Exons 8781..8807, 10317..10481, 11665..11740
GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No. 23195 Seq. ID OJ990915_09.9B02.C3
Gene No. 48263 Strand -
Start 1670 End 13365
Name OJ990915_09.9B02.C3.o1.tm Method TBLASTX:Maize
Start 12841 End 13365
GI none Score 73
Exons 12841..12951, 12843..12950, 12844..12951, 13019..13096, 13019..13180, 13021..13191, 13026..13205, 13068..13208, 13192..13263, 13263..13340, 13263..13361, 13264..13362, 13264..13365

Seq. No. 23196 Seq. ID OJ990915_09.9B02.C4
Gene No. 48264 Strand -
Start 24 End 1009
Name OJ990915_09.9B02.C4.o1.gs Method GENSCAN
Start 24 End 1009
GI none Score .83
Exons 24..190, 914..1009

Seq. No. 23197 Seq. ID OJ990915_09.9B02.C5
Gene No. 48265 Strand -
Start 36 End 2122
Name OJ990915_09.9B02.C5.o1.gs Method GENSCAN
Start 36 End 2122
GI none Score .41
Exons 36..107, 917..1116, 1382..1955, 2009..2122

Seq. No. 23198 Seq. ID OJ990915_09.9B02.C6
Gene No. 48266 Strand +
Start 340 End 4319
Name OJ990915_09.9B02.C6.o1.gs Method GENSCAN
Start 340 End 4319
GI none Score .78
Exons 340..390, 679..1122, 4161..4319

Seq. No. 23198 Seq. ID OJ990915_09.9B02.C6
Gene No. 48267 Strand +
Start 16424 End 19289
Name OJ990915_09.9B02.C6.o1.np Method AAT/NAP
Start 16424 End 19289
GI 4544372 Score 1042
Exons 16424..17448, 17509..17903, 18023..19289
GI Descrip. (AC006920) putative retroelement pol polyprotein [Arabidopsis]

thaliana]

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o4.ts	Method	TBLASTX:Soybean
Start	16551	End	16905
GI	none	Score	120
Exons	16551..16730, 16552..16758, 16762..16845, 16771..16905		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o1.tw	Method	TBLASTX:Wheat
Start	16702	End	17106
GI	none	Score	81
Exons	16702..16758, 16707..16748, 16753..17106, 16764..17063, 16765..17106		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o2.tm	Method	TBLASTX:Maize
Start	16756	End	16974
GI	none	Score	285
Exons	16756..16974, 16756..16956, 16764..16973		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o1.tm	Method	TBLASTX:Maize
Start	16975	End	17432
GI	none	Score	441
Exons	16975..17349, 16975..17256, 17124..17318, 17348..17431, 17349..17432		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o2.tw	Method	TBLASTX:Wheat
Start	17107	End	17504
GI	none	Score	153
Exons	17107..17337, 17124..17318, 17403..17504, 17432..17500		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o2.ts	Method	TBLASTX:Soybean
Start	17122	End	17591
GI	none	Score	176
Exons	17122..17346, 17158..17256, 17160..17297, 17349..17402, 17403..17591, 17447..17578		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o1.ts	Method	TBLASTX:Soybean

Start	17742	End	18116
GI	none	Score	163
Exons	17742..17879, 17744..17893, 17900..18067, 17901..18116		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o4.tw	Method	TBLASTX:Wheat
Start	17774	End	18056
GI	none	Score	97
Exons	17774..17875, 17775..17876, 17916..18056, 17918..17992		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o3.tw	Method	TBLASTX:Wheat
Start	18448	End	18837
GI	none	Score	163
Exons	18448..18750, 18781..18837		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o3.ts	Method	TBLASTX:Soybean
Start	18604	End	19005
GI	none	Score	238
Exons	18604..19005, 18711..18920		

Seq. No.	23198	Seq. ID	OJ990915_09.9B02.C6
Gene No.	48267	Strand	+
Start	16424	End	19289
Name	OJ990915_09.9B02.C6.o3.tm	Method	TBLASTX:Maize
Start	18619	End	18984
GI	none	Score	83
Exons	18619..18762, 18760..18984		

Seq. No.	23199	Seq. ID	OJ990915_09.9B02.C7
Gene No.	48268	Strand	+
Start	9558	End	13018
Name	OJ990915_09.9B02.C7.o3.gs	Method	GENSCAN
Start	9558	End	12912
GI	none	Score	.65
Exons	9558..9637, 9787..9900, 10502..11197, 11594..12200, 12366..12912		

Seq. No.	23199	Seq. ID	OJ990915_09.9B02.C7
Gene No.	48268	Strand	+
Start	9558	End	13018
Name	OJ990915_09.9B02.C7.o1.np	Method	AAT/NAP
Start	11805	End	13018
GI	6815062	Score	1111
Exons	11805..13018		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	23199	Seq. ID	OJ990915_09.9B02.C7
Gene No.	48269	Strand	-

Start	558	End	2017
Name	OJ990915_09.9B02.C7.o1.gs	Method	GENSCAN
Start	558	End	2017
GI	none	Score	.97
Exons	558..906, 1017..1066, 1203..1262, 1337..1639, 1681..1758, 1841..2017		

Seq. No.	23199	Seq. ID	OJ990915_09.9B02.C7
Gene No.	48270	Strand	-
Start	2300	End	7047
Name	OJ990915_09.9B02.C7.o2.gs	Method	GENSCAN
Start	2300	End	7047
GI	none	Score	.51
Exons	2300..3073, 3410..3552, 5624..5662, 6574..6688, 7000..7047		

Seq. No.	23199	Seq. ID	OJ990915_09.9B02.C7
Gene No.	48271	Strand	-
Start	11847	End	12413
Name	OJ990915_09.9B02.C7.o1.tm	Method	TBLASTX:Maize
Start	11847	End	12413
GI	none	Score	136
Exons	11847..11996, 12023..12391, 12024..12413		

Seq. No.	23199	Seq. ID	OJ990915_09.9B02.C7
Gene No.	48272	Strand	-
Start	12540	End	12818
Name	OJ990915_09.9B02.C7.o2.tm	Method	TBLASTX:Maize
Start	12540	End	12818
GI	none	Score	188
Exons	12540..12818, 12596..12721		

Seq. No.	23200	Seq. ID	OJ990915_09.9B02.C8
Gene No.	48273	Strand	+
Start	781	End	1110
Name	OJ990915_09.9B02.C8.o1.tm	Method	TBLASTX:Maize
Start	775	End	1110
GI	none	Score	185
Exons	775..945, 795..938, 799..939, 809..967, 1036..1107, 1037..1108, 1037..1108, 1039..1110		

Seq. No.	23200	Seq. ID	OJ990915_09.9B02.C8
Gene No.	48273	Strand	+
Start	781	End	1110
Name	OJ990915_09.9B02.C8.o1.gs	Method	GENSCAN
Start	781	End	1108
GI	none	Score	.48
Exons	781..945, 1037..1108		

Seq. No.	23200	Seq. ID	OJ990915_09.9B02.C8
Gene No.	48273	Strand	+
Start	781	End	1110
Name	OJ990915_09.9B02.C8.o1.ts	Method	TBLASTX:Soybean
Start	781	End	1108
GI	none	Score	122
Exons	781..933, 1036..1107, 1037..1108		

Seq. No.	23201	Seq. ID	OJ990915_09.9B02.C9
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Gene No.	48274	Strand	+
Start	1	End	612
Name	OJ990915_09.9B02.C9.o1.np	Method	AAT/NAP
Start	1	End	576
GI	4680203	Score	520
Exons	1..576		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	23201	Seq. ID	OJ990915_09.9B02.C9
Gene No.	48274	Strand	+
Start	1	End	612
Name	OJ990915_09.9B02.C9.o1.gs	Method	GENSCAN
Start	97	End	612
GI	none	Score	.95
Exons	97..612		

Seq. No.	23201	Seq. ID	OJ990915_09.9B02.C9
Gene No.	48275	Strand	+
Start	825	End	6828
Name	OJ990915_09.9B02.C9.o1.tw	Method	TBLASTX:Wheat
Start	124	End	513
GI	none	Score	391
Exons	124..513, 129..281, 139..513		

Seq. No.	23201	Seq. ID	OJ990915_09.9B02.C9
Gene No.	48275	Strand	+
Start	825	End	6828
Name	OJ990915_09.9B02.C9.o2.gs	Method	GENSCAN
Start	825	End	6828
GI	none	Score	.91
Exons	825..976, 2964..3282, 5190..6195, 6329..6828		

Seq. No.	23201	Seq. ID	OJ990915_09.9B02.C9
Gene No.	48275	Strand	+
Start	825	End	6828
Name	OJ990915_09.9B02.C9.o2.np	Method	AAT/NAP
Start	4826	End	4932
GI	2811024	Score	51
Exons	4826..4932		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 4, CHLOROPLAST gi 2145424 emb CAA72935 (Y12258) ndhD [Hordeum vulgare]		

Seq. No.	23201	Seq. ID	OJ990915_09.9B02.C9
Gene No.	48275	Strand	+
Start	825	End	6828
Name	OJ990915_09.9B02.C9.o3.np	Method	AAT/NAP
Start	5481	End	6666
GI	2792210	Score	709
Exons	5481..6666		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	23201	Seq. ID	OJ990915_09.9B02.C9
Gene No.	48275	Strand	+
Start	825	End	6828
Name	OJ990915_09.9B02.C9.o1.tm	Method	TBLASTX:Maize
Start	5643	End	6002
GI	none	Score	111

Exons 5643..5816, 5654..5800, 5877..6002, 5895..6002

Seq. No.	23201	Seq. ID	OJ990915_09.9B02.C9
Gene No.	48275	Strand	+
Start	825	End	6828
Name	OJ990915_09.9B02.C9.o1.ts	Method	TBLASTX:Soybean
Start	6190	End	6648
GI	none	Score	314
Exons	6190..6648, 6235..6606		

Seq. No.	23202	Seq. ID	OJ990915_09.9B02.C10
Gene No.	48276	Strand	+
Start	1	End	969
Name	OJ990915_09.9B02.C10.o1.np	Method	AAT/NAP
Start	1	End	969
GI	5902445	Score	445
Exons	1..969		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23202	Seq. ID	OJ990915_09.9B02.C10
Gene No.	48276	Strand	+
Start	1	End	969
Name	OJ990915_09.9B02.C10.o1.tm	Method	TBLASTX:Maize
Start	3	End	416
GI	none	Score	454
Exons	3..416, 6..263, 107..415		

Seq. No.	23202	Seq. ID	OJ990915_09.9B02.C10
Gene No.	48276	Strand	+
Start	1	End	969
Name	OJ990915_09.9B02.C10.o1.gs	Method	GENSCAN
Start	18	End	890
GI	none	Score	.59
Exons	18..358, 671..890		

Seq. No.	23202	Seq. ID	OJ990915_09.9B02.C10
Gene No.	48276	Strand	+
Start	1	End	969
Name	OJ990915_09.9B02.C10.o1.tw	Method	TBLASTX:Wheat
Start	63	End	488
GI	none	Score	225
Exons	63..410, 170..370, 387..488, 416..484		

Seq. No.	23202	Seq. ID	OJ990915_09.9B02.C10
Gene No.	48276	Strand	+
Start	1	End	969
Name	OJ990915_09.9B02.C10.o1.ts	Method	TBLASTX:Soybean
Start	105	End	562
GI	none	Score	199
Exons	105..383, 143..211, 387..545, 431..562		

Seq. No.	23203	Seq. ID	OJ990915_09.9B02.C11
Gene No.	48277	Strand	+
Start	1	End	1806
Name	OJ990915_09.9B02.C11.o1.np	Method	AAT/NAP
Start	1	End	1298
GI	4544372	Score	578

Exons 1..1298
 GI Descrip. (AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	23203	Seq. ID	OJ990915_09.9B02.C11
Gene No.	48277	Strand	+
Start	1	End	1806
Name	OJ990915_09.9B02.C11.o1.gs	Method	GENSCAN
Start	15	End	1181
GI	none	Score	.99
Exons	15..1181		

Seq. No.	23203	Seq. ID	OJ990915_09.9B02.C11
Gene No.	48277	Strand	+
Start	1	End	1806
Name	OJ990915_09.9B02.C11.o2.np	Method	AAT/NAP
Start	184	End	1806
GI	629693	Score	524
Exons	184..1301, 1762..1806		
GI Descrip.	probable integrase - common tobacco (fragment) gi 530742 emb CAA56791 (X80830) integrase [Nicotiana tabacum]		

Seq. No.	23203	Seq. ID	OJ990915_09.9B02.C11
Gene No.	48278	Strand	-
Start	1682	End	3133
Name	OJ990915_09.9B02.C11.o2.ts	Method	TBLASTX:Soybean
Start	234	End	515
GI	none	Score	222
Exons	234..515		

Seq. No.	23203	Seq. ID	OJ990915_09.9B02.C11
Gene No.	48278	Strand	-
Start	1682	End	3133
Name	OJ990915_09.9B02.C11.o1.tm	Method	TBLASTX:Maize
Start	363	End	695
GI	none	Score	71
Exons	363..473, 471..695		

Seq. No.	23203	Seq. ID	OJ990915_09.9B02.C11
Gene No.	48278	Strand	-
Start	1682	End	3133
Name	OJ990915_09.9B02.C11.o2.tw	Method	TBLASTX:Wheat
Start	474	End	839
GI	none	Score	170
Exons	474..743, 798..839		

Seq. No.	23203	Seq. ID	OJ990915_09.9B02.C11
Gene No.	48278	Strand	-
Start	1682	End	3133
Name	OJ990915_09.9B02.C11.o1.tw	Method	TBLASTX:Wheat
Start	876	End	1283
GI	none	Score	211
Exons	876..1283, 1106..1249		

Seq. No.	23203	Seq. ID	OJ990915_09.9B02.C11
Gene No.	48278	Strand	-
Start	1682	End	3133

Name	OJ990915_09.9B02.C11.o1.ts	Method	TBLASTX:Soybean
Start	1059	End	1309
GI	none	Score	244
Exons	1059..1304, 1061..1231, 1268..1309		
Seq. No.	23203	Seq. ID	OJ990915_09.9B02.C11
Gene No.	48278	Strand	-
Start	1682	End	3133
Name	OJ990915_09.9B02.C11.o2.gs	Method	GENSCAN
Start	1682	End	3133
GI	none	Score	.76
Exons	1682..2326, 2407..2490, 2636..2783, 2806..3133		
Seq. No.	23204	Seq. ID	OJ990915_09.9B02.C12
Gene No.	48279	Strand	+
Start	264	End	1676
Name	OJ990915_09.9B02.C12.o1.gs	Method	GENSCAN
Start	264	End	1676
GI	none	Score	.71
Exons	264..397, 704..923, 1144..1223, 1544..1676		
Seq. No.	23205	Seq. ID	OJ990915_09.9B02.C14
Gene No.	48280	Strand	-
Start	1	End	710
Name	OJ990915_09.9B02.C14.o1.np	Method	AAT/NAP
Start	1	End	710
GI	4680203	Score	869
Exons	1..710		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	23205	Seq. ID	OJ990915_09.9B02.C14
Gene No.	48280	Strand	-
Start	1	End	710
Name	OJ990915_09.9B02.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	407
GI	none	Score	105
Exons	1..138, 3..161, 162..254, 163..255, 164..262, 168..257, 266..370, 270..371, 372..407		
Seq. No.	23205	Seq. ID	OJ990915_09.9B02.C14
Gene No.	48280	Strand	-
Start	1	End	710
Name	OJ990915_09.9B02.C14.o1.gs	Method	GENSCAN
Start	16	End	621
GI	none	Score	.93
Exons	16..132, 533..621		
Seq. No.	23205	Seq. ID	OJ990915_09.9B02.C14
Gene No.	48280	Strand	-
Start	1	End	710
Name	OJ990915_09.9B02.C14.o1.tm	Method	TBLASTX:Maize
Start	167	End	553
GI	none	Score	76
Exons	167..397, 167..424, 168..407, 464..553		
Seq. No.	23205	Seq. ID	OJ990915_09.9B02.C14
Gene No.	48280	Strand	-

Start	1	End	710
Name	OJ990915_09.9B02.C14.o1.tc	Method	TBLASTX:Cress
Start	230	End	553
GI	none	Score	65
Exons	230..553, 231..329		
Seq. No.	23205	Seq. ID	OJ990915_09.9B02.C14
Gene No.	48280	Strand	-
Start	1	End	710
Name	OJ990915_09.9B02.C14.o1.ts	Method	TBLASTX:Soybean
Start	293	End	709
GI	none	Score	84
Exons	293..556, 306..539, 647..709		
Seq. No.	23206	Seq. ID	OJ990915_09.9B02.C15
Gene No.	48281	Strand	+
Start	1440	End	1710
Name	OJ990915_09.9B02.C15.o1.gs	Method	GENSCAN
Start	1440	End	1710
GI	none	Score	.66
Exons	1440..1710		
Seq. No.	23206	Seq. ID	OJ990915_09.9B02.C15
Gene No.	48282	Strand	+
Start	3485	End	7206
Name	OJ990915_09.9B02.C15.o2.gs	Method	GENSCAN
Start	3485	End	7183
GI	none	Score	.41
Exons	3485..3784, 5794..6471, 6502..6833, 6875..7183		
Seq. No.	23206	Seq. ID	OJ990915_09.9B02.C15
Gene No.	48282	Strand	+
Start	3485	End	7206
Name	OJ990915_09.9B02.C15.o1.np	Method	AAT/NAP
Start	6069	End	7206
GI	2943742	Score	587
Exons	6069..7206		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		
Seq. No.	23206	Seq. ID	OJ990915_09.9B02.C15
Gene No.	48282	Strand	+
Start	3485	End	7206
Name	OJ990915_09.9B02.C15.o2.tm	Method	TBLASTX:Maize
Start	6133	End	6483
GI	none	Score	127
Exons	6133..6303, 6135..6281, 6358..6483, 6359..6397, 6453..6482		
Seq. No.	23206	Seq. ID	OJ990915_09.9B02.C15
Gene No.	48282	Strand	+
Start	3485	End	7206
Name	OJ990915_09.9B02.C15.o1.tm	Method	TBLASTX:Maize
Start	6541	End	6912
GI	none	Score	211
Exons	6541..6912, 6606..6797, 6652..6873, 6833..6910		
Seq. No.	23206	Seq. ID	OJ990915_09.9B02.C15
Gene No.	48282	Strand	+

Start	3485	End	7206
Name	OJ990915_09.9B02.C15.o1.ts	Method	TBLASTX:Soybean
Start	6634	End	7121
GI	none	Score	228
Exons	6634..6912, 6636..6935, 6924..6989, 7008..7121		

Seq. No.	23207	Seq. ID	OJ990915_09.9B02.C16
Gene No.	48283	Strand	+
Start	149	End	626
Name	OJ990915_09.9B02.C16.o1.gs	Method	GENSCAN
Start	149	End	604
GI	none	Score	.9
Exons	149..604		

Seq. No.	23207	Seq. ID	OJ990915_09.9B02.C16
Gene No.	48283	Strand	+
Start	149	End	626
Name	OJ990915_09.9B02.C16.o1.np	Method	AAT/NAP
Start	410	End	626
GI	2943742	Score	58
Exons	410..626		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	23208	Seq. ID	OJ990915_09.9B02.C17
Gene No.	48284	Strand	-
Start	1	End	2212
Name	OJ990915_09.9B02.C17.o1.np	Method	AAT/NAP
Start	1	End	2212
GI	4006833	Score	144
Exons	1..465, 2179..2212		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	23208	Seq. ID	OJ990915_09.9B02.C17
Gene No.	48284	Strand	-
Start	1	End	2212
Name	OJ990915_09.9B02.C17.o1.tm	Method	TBLASTX:Maize
Start	123	End	482
GI	none	Score	99
Exons	123..482, 313..477		

Seq. No.	23209	Seq. ID	OJ990915_09.9B02.C18
Gene No.	48285	Strand	-
Start	467	End	1830
Name	OJ990915_09.9B02.C18.o1.gs	Method	GENSCAN
Start	467	End	1691
GI	none	Score	.68
Exons	467..837, 1083..1224, 1285..1368, 1483..1691		

Seq. No.	23209	Seq. ID	OJ990915_09.9B02.C18
Gene No.	48285	Strand	-
Start	467	End	1830
Name	OJ990915_09.9B02.C18.o1.np	Method	AAT/NAP
Start	507	End	1830
GI	6815062	Score	473
Exons	507..697, 782..837, 908..1006, 1083..1392, 1451..1691, 1777..1830		

GI Descrip. (AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudra like protein (AC004561) [Oryza sativa]

Seq. No.	23209	Seq. ID	OJ990915_09.9B02.C18
Gene No.	48285	Strand	-
Start	467	End	1830
Name	OJ990915_09.9B02.C18.o1.tm	Method	TBLASTX:Maize
Start	1083	End	1691
GI	none	Score	64
Exons	1083..1268, 1308..1394, 1482..1598, 1482..1691, 1489..1641		

Seq. No.	23210	Seq. ID	OJ990915_09.9B02.C19
Gene No.	48286	Strand	
Start	160	End	723
Name	OJ990915_09.9B02.C19.o1.tw	Method	TBLASTX:Wheat
Start	160	End	521
GI	none	Score	55
Exons	160..315, 160..297, 288..521, 295..420		

Seq. No.	23210	Seq. ID	OJ990915_09.9B02.C19
Gene No.	48286	Strand	
Start	160	End	723
Name	OJ990915_09.9B02.C19.o1.tm	Method	TBLASTX:Maize
Start	253	End	723
GI	none	Score	148
Exons	253..297, 258..341, 351..722, 361..723		

Seq. No.	23211	Seq. ID	OJ990915_09.9B02.C20
Gene No.	48287	Strand	-
Start	1	End	897
Name	OJ990915_09.9B02.C20.o1.np	Method	AAT/NAP
Start	1	End	897
GI	3845128	Score	92
Exons	1..178, 785..897		
GI Descrip.	(AE001381) hypothetical protein [Plasmodium falciparum]		

Seq. No.	23212	Seq. ID	OJ990915_09.9B02.C21
Gene No.	48288	Strand	-
Start	650	End	2075
Name	OJ990915_09.9B02.C21.o1.np	Method	AAT/NAP
Start	650	End	2075
GI	5852084	Score	99
Exons	650..764, 2036..2075		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	23213	Seq. ID	OJ990915_09.9B02.C22
Gene No.	48289	Strand	+
Start	1268	End	1429
Name	OJ990915_09.9B02.C22.o1.gs	Method	GENSCAN
Start	1268	End	1429
GI	none	Score	.89
Exons	1268..1429		

Seq. No.	23213	Seq. ID	OJ990915_09.9B02.C22
Gene No.	48290	Strand	+
Start	3273	End	5162

Name	OJ990915_09.9B02.C22.o2.gs	Method	GENSCAN
Start	3273	End	4950
GI	none	Score	.71
Exons	3273..3290, 3608..3739, 4798..4950		
Seq. No.	23213	Seq. ID	OJ990915_09.9B02.C22
Gene No.	48290	Strand	+
Start	3273	End	5162
Name	OJ990915_09.9B02.C22.o2.tm	Method	TBLASTX:Maize
Start	3624	End	4920
GI	none	Score	58
Exons	3624..3692, 3665..3742, 3665..3742, 4770..4910, 4792..4920, 4798..4920		
Seq. No.	23213	Seq. ID	OJ990915_09.9B02.C22
Gene No.	48290	Strand	+
Start	3273	End	5162
Name	OJ990915_09.9B02.C22.o1.np	Method	AAT/NAP
Start	3632	End	5162
GI	3941736	Score	58
Exons	3632..3739, 4798..4915, 5138..5162		
GI Descrip.	(AF109719) BAT3 [Mus musculus]		
Seq. No.	23213	Seq. ID	OJ990915_09.9B02.C22
Gene No.	48290	Strand	+
Start	3273	End	5162
Name	OJ990915_09.9B02.C22.o1.tm	Method	TBLASTX:Maize
Start	4328	End	4621
GI	none	Score	159
Exons	4328..4471, 4332..4595, 4339..4473, 4466..4564, 4474..4611, 4551..4613, 4577..4621		
Seq. No.	23214	Seq. ID	OJ990915_06.9B15.C2
Gene No.	48291	Strand	+
Start	412	End	4181
Name	OJ990915_06.9B15.C2.o1.np	Method	AAT/NAP
Start	412	End	3197
GI	5541712	Score	1002
Exons	412..801, 902..1087, 1207..1293, 1363..1442, 1540..1621, 1815..1835, 2225..2270, 2386..2504, 2706..2823, 3022..3197		
GI Descrip.	(AL096860) putative protein [Arabidopsis thaliana]		
Seq. No.	23214	Seq. ID	OJ990915_06.9B15.C2
Gene No.	48291	Strand	+
Start	412	End	4181
Name	OJ990915_06.9B15.C2.o1.gs	Method	GENSCAN
Start	427	End	4181
GI	none	Score	.53
Exons	427..801, 902..1087, 1207..1293, 1363..1442, 1540..1621, 1815..1835, 2225..2270, 2386..2504, 2906..2980, 3089..3178, 3625..3734, 3923..4181		
Seq. No.	23214	Seq. ID	OJ990915_06.9B15.C2
Gene No.	48292	Strand	+
Start	4868	End	7526
Name	OJ990915_06.9B15.C2.o2.gs	Method	GENSCAN
Start	4868	End	6262

GI	none	Score	.85
Exons	4868..5158, 5262..5328, 5495..5587, 6162..6262		
Seq. No.	23214	Seq. ID	OJ990915_06.9B15.C2
Gene No.	48292	Strand	+
Start	4868	End	7526
Name	OJ990915_06.9B15.C2.o1.gp	Method	AAT/GAP
Start	5109	End	7526
GI	none	Score	860
Exons	5109..5158, 5262..5328, 5510..5587, 6162..6214, 6600..6683, 6783..6835, 6923..6987, 7094..7152, 7488..7526		
Seq. No.	23214	Seq. ID	OJ990915_06.9B15.C2
Gene No.	48293	Strand	-
Start	7497	End	10654
Name	OJ990915_06.9B15.C2.o5.tm	Method	TBLASTX:Maize
Start	968	End	1305
GI	none	Score	187
Exons	968..1093, 968..1093, 1143..1295, 1173..1304, 1207..1305		
Seq. No.	23214	Seq. ID	OJ990915_06.9B15.C2
Gene No.	48293	Strand	-
Start	7497	End	10654
Name	OJ990915_06.9B15.C2.o3.tm	Method	TBLASTX:Maize
Start	1377	End	4178
GI	none	Score	71
Exons	1377..1442, 1380..1439, 1517..1621, 1537..1623, 1537..1620, 1539..1622, 1544..1648, 2211..2273, 2221..2271, 2224..2274, 2387..2503, 2388..2504, 2389..2580, 2391..2507, 2704..2817, 2705..2830, 2706..2822, 2875..2979, 2915..2980, 2919..2981, 3084..3179, 3088..3177, 3089..3187, 3089..3178, 3619..3735, 3622..3735, 3624..3749, 3919..4032, 3921..3983, 4017..4178, 4038..4178		
Seq. No.	23214	Seq. ID	OJ990915_06.9B15.C2
Gene No.	48293	Strand	-
Start	7497	End	10654
Name	OJ990915_06.9B15.C2.o3.ts	Method	TBLASTX:Soybean
Start	1571	End	2828
GI	none	Score	71
Exons	1571..1621, 2221..2271, 2224..2274, 2387..2503, 2388..2504, 2389..2505, 2391..2507, 2426..2512, 2705..2827, 2706..2828		
Seq. No.	23214	Seq. ID	OJ990915_06.9B15.C2
Gene No.	48293	Strand	-
Start	7497	End	10654
Name	OJ990915_06.9B15.C2.o1.tc	Method	TBLASTX:Cress
Start	3619	End	4186
GI	none	Score	100
Exons	3619..3735, 3920..3973, 3921..3977, 4038..4181, 4040..4186		
Seq. No.	23214	Seq. ID	OJ990915_06.9B15.C2
Gene No.	48293	Strand	-
Start	7497	End	10654
Name	OJ990915_06.9B15.C2.o4.tw	Method	TBLASTX:Wheat
Start	4052	End	4186
GI	none	Score	182

Exons 4052..4186, 4053..4184, 4054..4185

Seq. No. 23214 Seq. ID OJ990915_06.9B15.C2
Gene No. 48293 Strand -
Start 7497 End 10654
Name OJ990915_06.9B15.C2.o6.tm Method TBLASTX:Maize
Start 6624 End 7580
GI none Score 88
Exons 6624..6710, 6626..6712, 6627..6683, 6629..6685, 6752..6835,
6783..6839, 6784..6840, 6810..6836, 6918..6995, 6919..7005,
6919..7005, 6921..7016, 7073..7153, 7090..7158, 7090..7143,
7091..7144, 7092..7148, 7481..7579, 7485..7580, 7487..7579

Seq. No. 23214 Seq. ID OJ990915_06.9B15.C2
Gene No. 48293 Strand -
Start 7497 End 10654
Name OJ990915_06.9B15.C2.o2.gp Method AAT/GAP
Start 7413 End 7861
GI uC-osrocyp030c07b1 Score 603
Exons 7413..7437, 7480..7861
GI Descrip. '4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp.
indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2
retrotransposon, complete sequences; and unknown genes'

Seq. No. 23214 Seq. ID OJ990915_06.9B15.C2
Gene No. 48293 Strand -
Start 7497 End 10654
Name OJ990915_06.9B15.C2.o3.gs Method GENSCAN
Start 7497 End 10372
GI none Score .82
Exons 7497..7626, 8263..8477, 8528..8716, 8729..8836, 9170..10372

Seq. No. 23214 Seq. ID OJ990915_06.9B15.C2
Gene No. 48293 Strand -
Start 7497 End 10654
Name OJ990915_06.9B15.C2.o2.np Method AAT/NAP
Start 7995 End 10654
GI 6466937 Score 1643
Exons 7995..8119, 8320..10654
GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis
thaliana]

Seq. No. 23214 Seq. ID OJ990915_06.9B15.C2
Gene No. 48293 Strand -
Start 7497 End 10654
Name OJ990915_06.9B15.C2.o8.tm Method TBLASTX:Maize
Start 8295 End 8896
GI none Score 34
Exons 8295..8429, 8507..8806, 8849..8896

Seq. No. 23214 Seq. ID OJ990915_06.9B15.C2
Gene No. 48293 Strand -
Start 7497 End 10654
Name OJ990915_06.9B15.C2.o1.tw Method TBLASTX:Wheat
Start 8702 End 9277
GI none Score 263
Exons 8702..8806, 8900..9277

Seq. No. 23214
 Gene No. 48293
 Start 7497
 Name OJ990915_06.9B15.C2.o1.tm
 Start 8903
 GI none
 Exons 8903..9454, 8904..9398

Seq. ID OJ990915_06.9B15.C2
 Strand -
 End 10654
 Method TBLASTX:Maize
 End 9454
 Score 204

Seq. No. 23214
 Gene No. 48293
 Start 7497
 Name OJ990915_06.9B15.C2.o2.ts
 Start 9131
 GI none
 Exons 9131..9454, 9132..9437

Seq. ID OJ990915_06.9B15.C2
 Strand -
 End 10654
 Method TBLASTX:Soybean
 End 9454
 Score 171

Seq. No. 23214
 Gene No. 48293
 Start 7497
 Name OJ990915_06.9B15.C2.o4.tm
 Start 9455
 GI none
 Exons 9455..9496, 9497..9775, 9513..9656, 9761..9841

Seq. ID OJ990915_06.9B15.C2
 Strand -
 End 10654
 Method TBLASTX:Maize
 End 9841
 Score 100

Seq. No. 23214
 Gene No. 48293
 Start 7497
 Name OJ990915_06.9B15.C2.o3.tw
 Start 9770
 GI none
 Exons 9770..10132

Seq. ID OJ990915_06.9B15.C2
 Strand -
 End 10654
 Method TBLASTX:Wheat
 End 10132
 Score 203

Seq. No. 23214
 Gene No. 48293
 Start 7497
 Name OJ990915_06.9B15.C2.o7.tm
 Start 9842
 GI none
 Exons 9842..10132, 9843..10184

Seq. ID OJ990915_06.9B15.C2
 Strand -
 End 10654
 Method TBLASTX:Maize
 End 10184
 Score 72

Seq. No. 23214
 Gene No. 48293
 Start 7497
 Name OJ990915_06.9B15.C2.o2.tm
 Start 10190
 GI none
 Exons 10190..10474, 10256..10408, 10320..10448, 10452..10652, 10478..10654, 10479..10652

Seq. ID OJ990915_06.9B15.C2
 Strand -
 End 10654
 Method TBLASTX:Maize
 End 10654
 Score 70

Seq. No. 23214
 Gene No. 48293
 Start 7497
 Name OJ990915_06.9B15.C2.o1.ts
 Start 10217
 GI none
 Exons 10217..10567, 10347..10496

Seq. ID OJ990915_06.9B15.C2
 Strand -
 End 10654
 Method TBLASTX:Soybean
 End 10567
 Score 81

Seq. No. 23214
 Gene No. 48293
 Start 7497
 Name OJ990915_06.9B15.C2.o2.tw
 Start 10322
 GI none
 Exons 10322..10630

Seq. ID OJ990915_06.9B15.C2
 Strand -
 End 10654
 Method TBLASTX:Wheat
 End 10630
 Score 261

Seq. No. 23215
 Gene No. 48294
 Start 3065
 Name OJ990915_06.9B15.C3.o2.gs
 Start 3065
 GI none
 Exons 3065..3117, 3189..3272, 3345..3425, 4748..4817, 5138..5200, 7304..7445, 7510..9977, 10079..10402, 10670..10798, 10881..11003, 11123..11278, 11579..11704, 11781..11915, 12170..12297, 12392..12503

Seq. ID OJ990915_06.9B15.C3
 Strand +
 End 12785
 Method GENSCAN
 End 12503
 Score .43

Seq. No. 23215
 Gene No. 48294
 Start 3065
 Name OJ990915_06.9B15.C3.o3.np
 Start 3352
 GI 6907098
 Exons 3352..3411, 7758..7911, 8096..8846, 8892..9162, 9205..9312, 9406..9977, 10079..10402, 10670..10798, 11213..11268, 11554..11704, 11781..11915, 12170..12297, 12392..12503, 12588..12785
 GI Descrip. (AP001129) EST AU031036(E60617) corresponds to a region of the predicted gene.; Similar to Human mRNA for KIAA0310 gene. (AB002308) [Oryza sativa]

Seq. ID OJ990915_06.9B15.C3
 Strand +
 End 12785
 Method AAT/NAP
 End 12785
 Score 2331

Seq. No. 23215
 Gene No. 48295
 Start 1
 Name OJ990915_06.9B15.C3.o1.np
 Start 1
 GI 6466937
 Exons 1..1699, 3208..3272
 GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. ID OJ990915_06.9B15.C3
 Strand -
 End 3860
 Method AAT/NAP
 End 3272
 Score 497

Seq. No. 23215
 Gene No. 48295
 Start 1
 Name OJ990915_06.9B15.C3.o2.np
 Start 1
 GI 6466937
 Exons 1..1658, 3271..3389
 GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. ID OJ990915_06.9B15.C3
 Strand -
 End 3860
 Method AAT/NAP
 End 3389
 Score 493

Seq. No. 23215
 Gene No. 48295
 Start 1

Seq. ID OJ990915_06.9B15.C3
 Strand -
 End 3860

Name OJ990915_06.9B15.C3.o1.tw
 Start 2
 GI none
 Exons 2..343, 6..281

Method TBLASTX:Wheat
 End 343
 Score 145

Seq. No. 23215
 Gene No. 48295
 Start 1
 Name OJ990915_06.9B15.C3.o2.tm
 Start 2
 GI none
 Exons 2..436, 6..299, 101..436, 1318..1440

Seq. ID OJ990915_06.9B15.C3
 Strand -
 End 3860
 Method TBLASTX:Maize
 End 1440
 Score 120

Seq. No. 23215
 Gene No. 48295
 Start 1
 Name OJ990915_06.9B15.C3.o3.ts
 Start 11
 GI none
 Exons 11..325

Seq. ID OJ990915_06.9B15.C3
 Strand -
 End 3860
 Method TBLASTX:Soybean
 End 325
 Score 205

Seq. No. 23215
 Gene No. 48295
 Start 1
 Name OJ990915_06.9B15.C3.o1.gs
 Start 281
 GI none
 Exons 281..1858

Seq. ID OJ990915_06.9B15.C3
 Strand -
 End 3860
 Method GENSCAN
 End 1858
 Score .85

Seq. No. 23215
 Gene No. 48295
 Start 1
 Name OJ990915_06.9B15.C3.o6.tm
 Start 1475
 GI none
 Exons 1475..1711, 1476..1703

Seq. ID OJ990915_06.9B15.C3
 Strand -
 End 3860
 Method TBLASTX:Maize
 End 1711
 Score 71

Seq. No. 23215
 Gene No. 48295
 Start 1
 Name OJ990915_06.9B15.C3.o5.tm
 Start 3073
 GI none
 Exons 3073..3120, 3074..3118, 3174..3272, 3187..3273, 3344..3433, 3345..3461, 3346..3426, 3683..3760, 3709..3762, 3718..3768, 3720..3767, 3752..3859, 3752..3859, 3762..3860

Seq. ID OJ990915_06.9B15.C3
 Strand -
 End 3860
 Method TBLASTX:Maize
 End 3860
 Score 72

Seq. No. 23215
 Gene No. 48296
 Start 9483
 Name OJ990915_06.9B15.C3.o1.tm
 Start 9483
 GI none
 Exons 9483..9527, 9560..9616, 9599..9652, 9600..9650, 9639..9977, 9647..9976, 9648..9977, 9649..9984, 9650..9979, 10076..10183, 10076..10183, 10093..10185

Seq. ID OJ990915_06.9B15.C3
 Strand -
 End 10360
 Method TBLASTX:Maize
 End 10185
 Score 45

Seq. No.	23215	Seq. ID	OJ990915_06.9B15.C3
Gene No.	48296	Strand	
Start	9483	End	10360
Name	OJ990915_06.9B15.C3.o2.ts	Method	TBLASTX:Soybean
Start	10046	End	10360
GI	none	Score	78
Exons	10046..10168, 10172..10360, 10173..10286, 10204..10344		

Seq. No.	23215	Seq. ID	OJ990915_06.9B15.C3
Gene No.	48297	Strand	
Start	10880	End	11623
Name	OJ990915_06.9B15.C3.o1.ts	Method	TBLASTX:Soybean
Start	10880	End	11623
GI	none	Score	171
Exons	10880..10999, 10881..11003, 10893..11003, 11104..11220, 11120..11263, 11576..11623		

Seq. No.	23215	Seq. ID	OJ990915_06.9B15.C3
Gene No.	48298	Strand	
Start	11583	End	12263
Name	OJ990915_06.9B15.C3.o3.tm	Method	TBLASTX:Maize
Start	11583	End	12263
GI	none	Score	215
Exons	11583..11702, 11584..11703, 11585..11725, 11778..11915, 11778..11915, 11839..11916, 12167..12262, 12167..12262, 12168..12263		

Seq. No.	23215	Seq. ID	OJ990915_06.9B15.C3
Gene No.	48299	Strand	
Start	12266	End	12785
Name	OJ990915_06.9B15.C3.o4.tm	Method	TBLASTX:Maize
Start	12266	End	12785
GI	none	Score	36
Exons	12266..12301, 12390..12503, 12392..12502, 12393..12503, 12585..12713, 12587..12715, 12587..12742, 12588..12743, 12750..12785		

Seq. No.	23216	Seq. ID	OJ990915_06.9B15.C4
Gene No.	48300	Strand	+
Start	1	End	4018
Name	OJ990915_06.9B15.C4.o1.np	Method	AAT/NAP
Start	1	End	4018
GI	1076802	Score	49
Exons	1..23, 585..802, 2826..3095, 3991..4018		
GI Descrip.	extensin-like protein - maize gi 600118 emb CAA84230 (Z34465) extensin-like protein [Zea mays] gi 1096557 prf 2111476A extensin-like domain [Zea mays]		

Seq. No.	23216	Seq. ID	OJ990915_06.9B15.C4
Gene No.	48300	Strand	+
Start	1	End	4018
Name	OJ990915_06.9B15.C4.o3.tm	Method	TBLASTX:Maize
Start	9	End	298
GI	none	Score	64
Exons	9..62, 16..66, 164..298, 164..298		

Seq. No.	23216	Seq. ID	OJ990915_06.9B15.C4
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Gene No. 48300
 Start 1
 Name OJ990915_06.9B15.C4.o1.gs
 Start 166
 GI none
 Exons 166..461, 547..1090

Strand +
 End 4018
 Method GENSCAN
 End 1090
 Score .99

Seq. No. 23216
 Gene No. 48300
 Start 1
 Name OJ990915_06.9B15.C4.o1.tm
 Start 318
 GI none
 Exons 318..464, 319..462, 544..678, 736..798, 737..799

Seq. ID OJ990915_06.9B15.C4
 Strand +
 End 4018
 Method TBLASTX:Maize
 End 799
 Score 206

Seq. No. 23216
 Gene No. 48300
 Start 1
 Name OJ990915_06.9B15.C4.o2.tm
 Start 819
 GI none
 Exons 819..1073, 831..1091, 904..1092, 904..1098

Seq. ID OJ990915_06.9B15.C4
 Strand +
 End 4018
 Method TBLASTX:Maize
 End 1098
 Score 191

Seq. No. 23216
 Gene No. 48300
 Start 1
 Name OJ990915_06.9B15.C4.o2.gs
 Start 2800
 GI none
 Exons 2800..3058, 3112..3173, 3275..3377

Seq. ID OJ990915_06.9B15.C4
 Strand +
 End 4018
 Method GENSCAN
 End 3377
 Score .59

Seq. No. 23217
 Gene No. 48301
 Start 1
 Name OJ990915_06.9B15.C5.o1.np
 Start 1
 GI 5669871
 Exons 1..126, 404..444, 1041..1167
 GI Descrip. (AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]

Seq. ID OJ990915_06.9B15.C5
 Strand +
 End 1167
 Method AAT/NAP
 End 1167
 Score 118

Seq. No. 23217
 Gene No. 48302
 Start 1054
 Name OJ990915_06.9B15.C5.o1.gs
 Start 1054
 GI none
 Exons 1054..1100

Seq. ID OJ990915_06.9B15.C5
 Strand -
 End 1100
 Method GENSCAN
 End 1100
 Score .42

Seq. No. 23218
 Gene No. 48303
 Start 151
 Name OJ990915_06.9B15.C6.o1.tm
 Start 148
 GI none
 Exons 148..204, 149..193, 153..401, 476..550, 478..555, 484..552

Seq. ID OJ990915_06.9B15.C6
 Strand +
 End 555
 Method TBLASTX:Maize
 End 555
 Score 70

Seq. No.	23218	Seq. ID	OJ990915_06.9B15.C6
Gene No.	48303	Strand	+
Start	151	End	555
Name	OJ990915_06.9B15.C6.o1.np	Method	AAT/NAP
Start	151	End	551
GI	5669871	Score	380
Exons	151..399, 479..551		
GI Descrip.	(AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]		
Seq. No.	23218	Seq. ID	OJ990915_06.9B15.C6
Gene No.	48303	Strand	+
Start	151	End	555
Name	OJ990915_06.9B15.C6.o1.ts	Method	TBLASTX:Soybean
Start	151	End	550
GI	none	Score	78
Exons	151..204, 289..402, 303..410, 472..549, 473..550		
Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48304	Strand	-
Start	1	End	1529
Name	OJ990915_06.9B15.C7.o1.np	Method	AAT/NAP
Start	1	End	1291
GI	6907085	Score	335
Exons	1..412, 563..1150, 1235..1291		
GI Descrip.	(AP001129) ESTs AU082316(E3368),D41461(S3973) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48304	Strand	-
Start	1	End	1529
Name	OJ990915_06.9B15.C7.o1.gs	Method	GENSCAN
Start	509	End	1529
GI	none	Score	.49
Exons	509..1373, 1477..1529		
Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48305	Strand	-
Start	2491	End	5891
Name	OJ990915_06.9B15.C7.o1.gp	Method	AAT/GAP
Start	2251	End	5891
GI	537_1.R1084	Score	2707
Exons	2251..2937, 5194..5891		
GI Descrip.	'433214/dbj BAA02971 0.0e+00 (D13817) lactate dehydrogenase [Oryza sativa]'		
Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48305	Strand	-
Start	2491	End	5891
Name	OJ990915_06.9B15.C7.o2.gs	Method	GENSCAN
Start	2491	End	5808
GI	none	Score	.56
Exons	2491..2937, 5194..5808		
Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48305	Strand	-

Start	2491	End	5891
Name	OJ990915_06.9B15.C7.o2.np	Method	AAT/NAP
Start	2494	End	5808
GI	987693	Score	1777
Exons	2494..2942, 5194..5808		
GI Descrip.	(D16685) lactate dehydrogenase [Oryza sativa]		

Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48306	Strand	-
Start	7953	End	8030
Name	OJ990915_06.9B15.C7.o3.tm	Method	TBLASTX:Maize
Start	692	End	982
GI	none	Score	252
Exons	692..982, 702..950		

Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48306	Strand	-
Start	7953	End	8030
Name	OJ990915_06.9B15.C7.o1.tc	Method	TBLASTX:Cress
Start	2515	End	5721
GI	none	Score	246
Exons	2515..2634, 2647..2940, 2651..2941, 5194..5721, 5198..5698		

Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48306	Strand	-
Start	7953	End	8030
Name	OJ990915_06.9B15.C7.o1.ts	Method	TBLASTX:Soybean
Start	2515	End	5721
GI	none	Score	108
Exons	2515..2640, 2647..2940, 2648..2797, 2858..2941, 5194..5721, 5198..5350, 5399..5698		

Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48306	Strand	-
Start	7953	End	8030
Name	OJ990915_06.9B15.C7.o2.tm	Method	TBLASTX:Maize
Start	2620	End	2943
GI	none	Score	376
Exons	2620..2940, 2633..2941, 2761..2943		

Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48306	Strand	-
Start	7953	End	8030
Name	OJ990915_06.9B15.C7.o1.tm	Method	TBLASTX:Maize
Start	5191	End	5820
GI	none	Score	519
Exons	5191..5718, 5192..5704, 5695..5808, 5743..5820		

Seq. No.	23219	Seq. ID	OJ990915_06.9B15.C7
Gene No.	48306	Strand	-
Start	7953	End	8030
Name	OJ990915_06.9B15.C7.o3.np	Method	AAT/NAP
Start	7953	End	8030
GI	5669871	Score	106
Exons	7953..8030		
GI Descrip.	(AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]		

Seq. No.	23220	Seq. ID	OJ990915_06.9B15.C8
Gene No.	48307	Strand	-
Start	1	End	559
Name	OJ990915_06.9B15.C8.o1.np	Method	AAT/NAP
Start	1	End	559
GI	5669871	Score	245
Exons	1..143, 281..356, 485..559		
GI Descrip.	(AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]		

Seq. No.	23220	Seq. ID	OJ990915_06.9B15.C8
Gene No.	48307	Strand	-
Start	1	End	559
Name	OJ990915_06.9B15.C8.o1.tm	Method	TBLASTX:Maize
Start	60	End	559
GI	none	Score	100
Exons	60..158, 75..149, 83..166, 263..358, 273..356, 484..558, 484..558, 494..559		

Seq. No.	23220	Seq. ID	OJ990915_06.9B15.C8
Gene No.	48307	Strand	-
Start	1	End	559
Name	OJ990915_06.9B15.C8.o1.tw	Method	TBLASTX:Wheat
Start	73	End	359
GI	none	Score	102
Exons	73..144, 75..149, 251..355, 263..358, 271..357, 273..359, 279..359		

Seq. No.	23220	Seq. ID	OJ990915_06.9B15.C8
Gene No.	48307	Strand	-
Start	1	End	559
Name	OJ990915_06.9B15.C8.o1.gs	Method	GENSCAN
Start	76	End	356
GI	none	Score	.95
Exons	76..143, 281..356		

Seq. No.	23221	Seq. ID	OJ990915_06.9B15.C9
Gene No.	48308	Strand	-
Start	37	End	355
Name	OJ990915_06.9B15.C9.o1.gs	Method	GENSCAN
Start	37	End	355
GI	none	Score	.54
Exons	37..355		

Seq. No.	23222	Seq. ID	OJ990915_06.9B15.C10
Gene No.	48309	Strand	+
Start	6083	End	6488
Name	OJ990915_06.9B15.C10.o3.gp	Method	AAT/GAP
Start	6083	End	6488
GI	3090591	Score	745
Exons	6083..6488		

Seq. No.	23222	Seq. ID	OJ990915_06.9B15.C10
Gene No.	48310	Strand	-
Start	3417	End	9224
Name	OJ990915_06.9B15.C10.o1.np	Method	AAT/NAP
Start	3384	End	9224
GI	2664198	Score	404

Exons 3384..3483, 3601..4403, 4539..4785, 9199..9224
 GI Descrip. (AJ003215) GTL1 [Arabidopsis thaliana]

Seq. No.	23222	Seq. ID	OJ990915_06.9B15.C10
Gene No.	48310	Strand	-
Start	3417	End	9224
Name	OJ990915_06.9B15.C10.o1.gs	Method	GENSCAN
Start	3417	End	6182
GI	none	Score	.9
Exons	3417..4800, 5431..6182		

Seq. No.	23222	Seq. ID	OJ990915_06.9B15.C10
Gene No.	48310	Strand	-
Start	3417	End	9224
Name	OJ990915_06.9B15.C10.o1.gp	Method	AAT/GAP
Start	3427	End	3887
GI	uC-osflm202102e01b1	Score	862
Exons	3427..3887		
GI Descrip.	'2664198/emb CAA05995 6.0e-17 (AJ003215) GTL1 [Arabidopsis thaliana]'		

Seq. No.	23222	Seq. ID	OJ990915_06.9B15.C10
Gene No.	48310	Strand	-
Start	3417	End	9224
Name	OJ990915_06.9B15.C10.o1.tc	Method	TBLASTX:Cress
Start	3714	End	4016
GI	none	Score	102
Exons	3714..4016, 3739..3831, 3783..3983, 3883..3990		

Seq. No.	23222	Seq. ID	OJ990915_06.9B15.C10
Gene No.	48310	Strand	-
Start	3417	End	9224
Name	OJ990915_06.9B15.C10.o1.tm	Method	TBLASTX:Maize
Start	3717	End	4029
GI	none	Score	95
Exons	3717..4010, 3742..3831, 3883..4029		

Seq. No.	23222	Seq. ID	OJ990915_06.9B15.C10
Gene No.	48310	Strand	-
Start	3417	End	9224
Name	OJ990915_06.9B15.C10.o1.ts	Method	TBLASTX:Soybean
Start	3717	End	4007
GI	none	Score	100
Exons	3717..4007, 3739..3834, 3883..3990		

Seq. No.	23222	Seq. ID	OJ990915_06.9B15.C10
Gene No.	48310	Strand	-
Start	3417	End	9224
Name	OJ990915_06.9B15.C10.o2.gp	Method	AAT/GAP
Start	4529	End	4980
GI	none	Score	864
Exons	4529..4980		

Seq. No.	23223	Seq. ID	OJ990915_06.9B15.C11
Gene No.	48311	Strand	-
Start	2167	End	3302
Name	OJ990915_06.9B15.C11.o1.np	Method	AAT/NAP

Start	1029	End	2708
GI	6539588	Score	187
Exons	1029..1076, 2399..2708		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	23223	Seq. ID	OJ990915_06.9B15.C11
Gene No.	48311	Strand	-
Start	2167	End	3302
Name	OJ990915_06.9B15.C11.o1.gs	Method	GENSCAN
Start	2167	End	3302
GI	none	Score	.46
Exons	2167..2281, 2407..2681, 3225..3302		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48312	Strand	+
Start	87	End	6523
Name	OJ990915_06.9B15.C12.o1.gs	Method	GENSCAN
Start	87	End	4501
GI	none	Score	.41
Exons	87..293, 350..2731, 2795..3166, 3215..4501		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48312	Strand	+
Start	87	End	6523
Name	OJ990915_06.9B15.C12.o1.np	Method	AAT/NAP
Start	873	End	6520
GI	6498441	Score	6854
Exons	873..1937, 2268..2731, 2795..3166, 3350..3486, 3661..4003, 4196..4576, 4748..6145, 6239..6520		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48312	Strand	+
Start	87	End	6523
Name	OJ990915_06.9B15.C12.o2.gs	Method	GENSCAN
Start	4751	End	6523
GI	none	Score	1
Exons	4751..6523		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48313	Strand	+
Start	6683	End	7144
Name	OJ990915_06.9B15.C12.o1.gp	Method	AAT/GAP
Start	6683	End	7144
GI	2428323	Score	854
Exons	6683..7144		
GI Descrip.	5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o6.tw	Method	TBLASTX:Wheat
Start	1022	End	1414
GI	none	Score	58

Exons	1022..1069, 1076..1174, 1081..1173, 1141..1380, 1157..1414	
Seq. No.	23224	Seq. ID OJ990915_06.9B15.C12
Gene No.	48314	Strand -
Start	7152	End 12047
Name	OJ990915_06.9B15.C12.o4.tm	Method TBLASTX:Maize
Start	1027	End 1312
GI	none	Score 192
Exons	1027..1311, 1064..1312	
Seq. No.	23224	Seq. ID OJ990915_06.9B15.C12
Gene No.	48314	Strand -
Start	7152	End 12047
Name	OJ990915_06.9B15.C12.o3.tw	Method TBLASTX:Wheat
Start	2152	End 2638
GI	none	Score 401
Exons	2152..2325, 2153..2638, 2347..2607, 2417..2611	
Seq. No.	23224	Seq. ID OJ990915_06.9B15.C12
Gene No.	48314	Strand -
Start	7152	End 12047
Name	OJ990915_06.9B15.C12.o1.tw	Method TBLASTX:Wheat
Start	2802	End 3265
GI	none	Score 206
Exons	2802..3245, 2803..3258, 2804..3265, 2804..3259	
Seq. No.	23224	Seq. ID OJ990915_06.9B15.C12
Gene No.	48314	Strand -
Start	7152	End 12047
Name	OJ990915_06.9B15.C12.o3.ts	Method TBLASTX:Soybean
Start	2843	End 3208
GI	none	Score 117
Exons	2843..3067, 3074..3208	
Seq. No.	23224	Seq. ID OJ990915_06.9B15.C12
Gene No.	48314	Strand -
Start	7152	End 12047
Name	OJ990915_06.9B15.C12.o1.tm	Method TBLASTX:Maize
Start	2933	End 3289
GI	none	Score 381
Exons	2933..3289, 2968..3279, 2984..3289	
Seq. No.	23224	Seq. ID OJ990915_06.9B15.C12
Gene No.	48314	Strand -
Start	7152	End 12047
Name	OJ990915_06.9B15.C12.o3.tm	Method TBLASTX:Maize
Start	3316	End 3700
GI	none	Score 352
Exons	3316..3681, 3317..3700	
Seq. No.	23224	Seq. ID OJ990915_06.9B15.C12
Gene No.	48314	Strand -
Start	7152	End 12047
Name	OJ990915_06.9B15.C12.o2.tw	Method TBLASTX:Wheat
Start	3373	End 7906
GI	none	Score 481
Exons	3373..3786, 3374..3793, 7808..7906	

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o1.ts	Method	TBLASTX:Soybean
Start	3452	End	3823
GI	none	Score	274
Exons	3452..3823, 3469..3612		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o5.tw	Method	TBLASTX:Wheat
Start	4448	End	4882
GI	none	Score	232
Exons	4448..4699, 4448..4645, 4513..4689, 4733..4882, 4742..4879, 4744..4881		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o2.ts	Method	TBLASTX:Soybean
Start	4571	End	5137
GI	5666795	Score	68
Exons	4571..4669, 4745..4882, 4937..5137		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o8.tw	Method	TBLASTX:Wheat
Start	4885	End	5197
GI	none	Score	189
Exons	4885..5061, 4937..5197		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o2.tm	Method	TBLASTX:Maize
Start	5390	End	5713
GI	none	Score	364
Exons	5390..5713, 5419..5700		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o4.tw	Method	TBLASTX:Wheat
Start	5527	End	5908
GI	none	Score	373
Exons	5527..5583, 5528..5908, 5624..5869, 5629..5877		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o7.tw	Method	TBLASTX:Wheat
Start	5909	End	6511
GI	none	Score	267

Exons 5909..6205, 5913..5984, 5914..6012, 6049..6192, 6385..6507, 6386..6511

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o5.tm	Method	TBLASTX:Maize
Start	6380	End	6523
GI	none	Score	184
Exons	6380..6523, 6385..6519		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o3.gs	Method	GENSCAN
Start	7152	End	10369
GI	none	Score	.77
Exons	7152..9012, 9108..9836, 9906..10369		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o2.np	Method	AAT/NAP
Start	7155	End	10369
GI	5803259	Score	5111
Exons	7155..9012, 9108..10369		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o3.np	Method	AAT/NAP
Start	9562	End	12047
GI	5922623	Score	207
Exons	9562..9599, 11185..11260, 11428..11580, 11963..12047		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		
	gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	23224	Seq. ID	OJ990915_06.9B15.C12
Gene No.	48314	Strand	-
Start	7152	End	12047
Name	OJ990915_06.9B15.C12.o4.gs	Method	GENSCAN
Start	10750	End	11333
GI	none	Score	.6
Exons	10750..10865, 11279..11333		

Seq. No.	23225	Seq. ID	OJ990915_06.9B15.C13
Gene No.	48315	Strand	+
Start	1821	End	3281
Name	OJ990915_06.9B15.C13.o1.gs	Method	GENSCAN
Start	1821	End	3281
GI	none	Score	.41
Exons	1821..1885, 3125..3281		

Seq. No.	23225	Seq. ID	OJ990915_06.9B15.C13
Gene No.	48316	Strand	-

Start 4531
 Name OJ990915_06.9B15.C13.o2.gs
 Start 4531
 GI none
 Exons 4531..4537, 5068..5219

End 5219
 Method GENSCAN
 End 5219
 Score .93

Seq. No. 23226
 Gene No. 48317
 Start 25
 Name OJ990915_06.9B15.C14.o1.gs
 Start 25
 GI none
 Exons 25..84, 627..668

Seq. ID OJ990915_06.9B15.C14
 Strand +
 End 668
 Method GENSCAN
 End 668
 Score .7

Seq. No. 23226
 Gene No. 48318
 Start 1163
 Name OJ990915_06.9B15.C14.o1.gp
 Start 1163
 GI 21474_1.R1084
 Exons 1163..1306

Seq. ID OJ990915_06.9B15.C14
 Strand +
 End 1306
 Method AAT/GAP
 End 1306
 Score 242

GI Descrip. '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'

Seq. No. 23226
 Gene No. 48319
 Start 443
 Name OJ990915_06.9B15.C14.o2.np
 Start 443
 GI 4680204
 Exons 443..480, 3271..4028

Seq. ID OJ990915_06.9B15.C14
 Strand -
 End 4028
 Method AAT/NAP
 End 4028
 Score 444

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No. 23226
 Gene No. 48319
 Start 443
 Name OJ990915_06.9B15.C14.o1.np
 Start 1151
 GI 4680204
 Exons 1151..1258, 3278..4028

Seq. ID OJ990915_06.9B15.C14
 Strand -
 End 4028
 Method AAT/NAP
 End 4028
 Score 450

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No. 23226
 Gene No. 48319
 Start 443
 Name OJ990915_06.9B15.C14.o2.gs
 Start 1581
 GI none
 Exons 1581..1766, 1846..1944, 2039..2111, 2196..2341, 2403..2576, 2712..3209, 3284..3949

Seq. ID OJ990915_06.9B15.C14
 Strand -
 End 4028
 Method GENSCAN
 End 3949
 Score .81

Seq. No. 23226
 Gene No. 48319
 Start 443
 Name OJ990915_06.9B15.C14.o1.tw
 Start 3632
 GI none

Seq. ID OJ990915_06.9B15.C14
 Strand -
 End 4028
 Method TBLASTX:Wheat
 End 3971
 Score 56

Exons 3632..3664, 3668..3802, 3701..3745, 3809..3970, 3822..3971

Seq. No.	23227	Seq. ID	OJ990915_06.9B15.C18
Gene No.	48320	Strand	+
Start	1375	End	1538
Name	OJ990915_06.9B15.C18.o1.gs	Method	GENSCAN
Start	1375	End	1538
GI	none	Score	.71
Exons	1375..1538		

Seq. No.	23227	Seq. ID	OJ990915_06.9B15.C18
Gene No.	48321	Strand	+
Start	1866	End	1998
Name	OJ990915_06.9B15.C18.o1.gp	Method	AAT/GAP
Start	1866	End	1998
GI	LIB3474-009-P1-K1-F11	Score	227
Exons	1866..1998		
GI Descrip.	'4455244/emb CAB36743.1 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	23227	Seq. ID	OJ990915_06.9B15.C18
Gene No.	48322	Strand	-
Start	2292	End	4310
Name	OJ990915_06.9B15.C18.o2.gs	Method	GENSCAN
Start	2292	End	4310
GI	none	Score	.63
Exons	2292..2505, 4135..4310		

Seq. No.	23227	Seq. ID	OJ990915_06.9B15.C18
Gene No.	48323	Strand	-
Start	7093	End	8680
Name	OJ990915_06.9B15.C18.o3.gs	Method	GENSCAN
Start	7093	End	8680
GI	none	Score	.81
Exons	7093..7192, 7925..8021, 8393..8423, 8636..8680		

Seq. No.	23227	Seq. ID	OJ990915_06.9B15.C18
Gene No.	48324	Strand	-
Start	8923	End	10300
Name	OJ990915_06.9B15.C18.o2.gp	Method	AAT/GAP
Start	8923	End	9686
GI	none	Score	1412
Exons	8923..9686		

Seq. No.	23227	Seq. ID	OJ990915_06.9B15.C18
Gene No.	48324	Strand	-
Start	8923	End	10300
Name	OJ990915_06.9B15.C18.o4.gs	Method	GENSCAN
Start	9209	End	9880
GI	none	Score	1
Exons	9209..9880		

Seq. No.	23227	Seq. ID	OJ990915_06.9B15.C18
Gene No.	48324	Strand	-
Start	8923	End	10300
Name	OJ990915_06.9B15.C18.o1.np	Method	AAT/NAP
Start	9221	End	9880

GI 6907108 Score 554
 Exons 9221..9880
 GI Descrip. (AP001129) EST D23066(C2127) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 23227 Seq. ID OJ990915_06.9B15.C18
 Gene No. 48324 Strand -
 Start 8923 End 10300
 Name OJ990915_06.9B15.C18.o1.tm Method TBLASTX:Maize
 Start 9311 End 9854
 GI none Score 78
 Exons 9311..9400, 9312..9392, 9394..9471, 9401..9487, 9401..9475, 9466..9579, 9467..9589, 9470..9580, 9580..9624, 9587..9673, 9588..9854, 9731..9814

Seq. No. 23227 Seq. ID OJ990915_06.9B15.C18
 Gene No. 48324 Strand -
 Start 8923 End 10300
 Name OJ990915_06.9B15.C18.o1.ts Method TBLASTX:Soybean
 Start 9505 End 9814
 GI none Score 111
 Exons 9505..9588, 9593..9673, 9731..9814

Seq. No. 23227 Seq. ID OJ990915_06.9B15.C18
 Gene No. 48324 Strand -
 Start 8923 End 10300
 Name OJ990915_06.9B15.C18.o3.gp Method AAT/GAP
 Start 9694 End 10300
 GI none Score 1098
 Exons 9694..10300

Seq. No. 23227 Seq. ID OJ990915_06.9B15.C18
 Gene No. 48324 Strand -
 Start 8923 End 10300
 Name OJ990915_06.9B15.C18.o2.tm Method TBLASTX:Maize
 Start 9870 End 10261
 GI none Score 140
 Exons 9870..9890, 9939..9968, 10027..10140, 10029..10142, 10030..10146, 10032..10142, 10157..10255, 10158..10256, 10163..10261

Seq. No. 23228 Seq. ID OJ990915_06.9B15.C19
 Gene No. 48325 Strand +
 Start 235 End 868
 Name OJ990915_06.9B15.C19.o1.gs Method GENSCAN
 Start 235 End 868
 GI none Score .71
 Exons 235..244, 720..868

Seq. No. 23228 Seq. ID OJ990915_06.9B15.C19
 Gene No. 48326 Strand -
 Start 286 End 466
 Name OJ990915_06.9B15.C19.o1.gp Method AAT/GAP
 Start 286 End 466
 GI none Score 344
 Exons 286..466

Seq. No.	23228	Seq. ID	OJ990915_06.9B15.C19
Gene No.	48327	Strand	-
Start	1291	End	1470
Name	OJ990915_06.9B15.C19.o2.gs	Method	GENSCAN
Start	1291	End	1470
GI	none	Score	.78
Exons	1291..1470		

Seq. No.	23229	Seq. ID	OJ990915_06.9B15.C20
Gene No.	48328	Strand	-
Start	1	End	727
Name	OJ990915_06.9B15.C20.o1.np	Method	AAT/NAP
Start	1	End	727
GI	3493647	Score	79
Exons	1..184, 581..727		
GI Descrip.	(AF082531) transcription activator [Pimpinella brachycarpa]		

Seq. No.	23229	Seq. ID	OJ990915_06.9B15.C20
Gene No.	48328	Strand	-
Start	1	End	727
Name	OJ990915_06.9B15.C20.o1.gs	Method	GENSCAN
Start	288	End	353
GI	none	Score	.52
Exons	288..353		

Seq. No.	23230	Seq. ID	OJ990915_06.9B15.C22
Gene No.	48329	Strand	-
Start	1755	End	1956
Name	OJ990915_06.9B15.C22.o1.ts	Method	TBLASTX:Soybean
Start	1746	End	1904
GI	none	Score	161
Exons	1746..1904, 1762..1896, 1764..1901		

Seq. No.	23230	Seq. ID	OJ990915_06.9B15.C22
Gene No.	48329	Strand	-
Start	1755	End	1956
Name	OJ990915_06.9B15.C22.o1.tm	Method	TBLASTX:Maize
Start	1749	End	1904
GI	none	Score	155
Exons	1749..1904, 1756..1896, 1764..1901		

Seq. No.	23230	Seq. ID	OJ990915_06.9B15.C22
Gene No.	48329	Strand	-
Start	1755	End	1956
Name	OJ990915_06.9B15.C22.o1.tw	Method	TBLASTX:Wheat
Start	1749	End	1956
GI	none	Score	121
Exons	1749..1904, 1761..1904, 1765..1956		

Seq. No.	23230	Seq. ID	OJ990915_06.9B15.C22
Gene No.	48329	Strand	-
Start	1755	End	1956
Name	OJ990915_06.9B15.C22.o1.np	Method	AAT/NAP
Start	1755	End	1934
GI	5051933	Score	216
Exons	1755..1934		
GI Descrip.	(AF141965) MADS-box protein FDRMADS8 [Oryza sativa]		

Seq. No.	23230	Seq. ID	OJ990915_06.9B15.C22
Gene No.	48329	Strand	-
Start	1755	End	1956
Name	OJ990915_06.9B15.C22.ol.tc	Method	TBLASTX:Cress
Start	1758	End	1904
GI	none	Score	125
Exons	1758..1904, 1771..1893		

Seq. No.	23231	Seq. ID	OJ990915_06.9B15.C23
Gene No.	48330	Strand	+
Start	627	End	2757
Name	OJ990915_06.9B15.C23.ol.gs	Method	GENSCAN
Start	627	End	2757
GI	none	Score	.87
Exons	627..636, 2123..2757		

Seq. No.	23232	Seq. ID	OJ990915_06.9B15.C24
Gene No.	48331	Strand	+
Start	553	End	2563
Name	OJ990915_06.9B15.C24.ol.tc	Method	TBLASTX:Cress
Start	520	End	1029
GI	none	Score	119
Exons	520..630, 694..735, 888..959, 889..1029		

Seq. No.	23232	Seq. ID	OJ990915_06.9B15.C24
Gene No.	48331	Strand	+
Start	553	End	2563
Name	OJ990915_06.9B15.C24.ol.gs	Method	GENSCAN
Start	553	End	2465
GI	none	Score	.45
Exons	553..950, 1604..1669, 2381..2465		

Seq. No.	23232	Seq. ID	OJ990915_06.9B15.C24
Gene No.	48331	Strand	+
Start	553	End	2563
Name	OJ990915_06.9B15.C24.ol.tm	Method	TBLASTX:Maize
Start	949	End	2563
GI	none	Score	137
Exons	949..1023, 2379..2465, 2379..2561, 2380..2562, 2384..2563, 2404..2562		

Seq. No.	23233	Seq. ID	OJ990915_06.9B15.C25
Gene No.	48332	Strand	-
Start	29	End	415
Name	OJ990915_06.9B15.C25.ol.gs	Method	GENSCAN
Start	29	End	415
GI	none	Score	.97
Exons	29..415		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.ol.gp	Method	AAT/GAP
Start	10	End	3696
GI	342_1.R1084	Score	6101
Exons	10..516, 626..730, 849..3696		

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o5.gp	Method	AAT/GAP
Start	172	End	3696
GI	342_1.R1084	Score	5835
Exons	172..516, 626..730, 849..3696		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o4.gp	Method	AAT/GAP
Start	173	End	3696
GI	342_1.R1084	Score	5833
Exons	173..516, 626..730, 849..3696		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o3.gp	Method	AAT/GAP
Start	179	End	3696
GI	342_1.R1084	Score	5821
Exons	179..516, 626..730, 849..3696		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o7.gp	Method	AAT/GAP
Start	182	End	3696
GI	342_1.R1084	Score	5815
Exons	182..516, 626..730, 849..3696		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o8.gp	Method	AAT/GAP
Start	186	End	3696
GI	342_1.R1084	Score	5807
Exons	186..516, 626..730, 849..3696		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o1.gs	Method	GENSCAN

Start 933
 GI none
 Exons 933..1523, 1905..3637

End 3637
 Score .52

Seq. No. 23234
 Gene No. 48333
 Start 10
 Name OJ990915_06.9B15:C26.o1.tw
 Start 1008
 GI none
 Exons 1008..1100, 1009..1074, 1089..1169, 1117..1170, 1182..1322, 1183..1323, 1270..1365, 1302..1361, 1368..1412, 1373..1408, 1407..1571, 1422..1565, 1423..1566, 1564..1608, 1595..1789, 1607..1741, 1626..1829, 1645..1830, 1869..2126, 1870..2337, 1892..2011, 1911..2336

Seq. ID OJ990915_06.9B15.C26
 Strand -
 End 3696
 Method TBLASTX:Wheat
 End 2337
 Score 52

Seq. No. 23234
 Gene No. 48333
 Start 10
 Name OJ990915_06.9B15.C26.o1.np
 Start 1492
 GI 6742729
 Exons 1492..3464
 GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. ID OJ990915_06.9B15.C26
 Strand -
 End 3696
 Method AAT/NAP
 End 3464
 Score 3080

Seq. No. 23234
 Gene No. 48333
 Start 10
 Name OJ990915_06.9B15.C26.o2.tc
 Start 1595
 GI none
 Exons 1595..1789, 1607..1741, 1626..1829, 1633..1830, 1869..2039, 1870..2049, 1892..2038, 1911..2045

Seq. ID OJ990915_06.9B15.C26
 Strand -
 End 3696
 Method TBLASTX:Cress
 End 2049
 Score 77

Seq. No. 23234
 Gene No. 48333
 Start 10
 Name OJ990915_06.9B15.C26.o2.tm
 Start 1980
 GI none
 Exons 1980..2210, 1980..2294, 2008..2283

Seq. ID OJ990915_06.9B15.C26
 Strand -
 End 3696
 Method TBLASTX:Maize
 End 2294
 Score 71

Seq. No. 23234
 Gene No. 48333
 Start 10
 Name OJ990915_06.9B15.C26.o3.tw
 Start 2338
 GI none
 Exons 2338..2424, 2340..2429, 2340..2423, 2457..2675, 2497..2679, 2685..2747, 2698..2748

Seq. ID OJ990915_06.9B15.C26
 Strand -
 End 3696
 Method TBLASTX:Wheat
 End 2748
 Score 81

Seq. No. 23234
 Gene No. 48333
 Start 10
 Name OJ990915_06.9B15.C26.o2.ts
 Start 2781
 GI none

Seq. ID OJ990915_06.9B15.C26
 Strand -
 End 3696
 Method TBLASTX:Soybean
 End 3023
 Score 210

Exons 2781..3023

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o1.tm	Method	TBLASTX:Maize
Start	2853	End	3311
GI	none	Score	103
Exons	2853..3047, 3057..3311, 3057..3299		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o2.tw	Method	TBLASTX:Wheat
Start	2887	End	3356
GI	none	Score	172
Exons	2887..3093, 2887..3096, 2892..3116, 3096..3194, 3097..3189, 3198..3302, 3202..3291, 3303..3356, 3304..3348		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o1.tc	Method	TBLASTX:Cress
Start	3144	End	3492
GI	none	Score	85
Exons	3144..3485, 3163..3300, 3340..3492		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o1.ts	Method	TBLASTX:Soybean
Start	3225	End	3654
GI	none	Score	121
Exons	3225..3521, 3243..3467, 3516..3578, 3571..3654, 3579..3653		

Seq. No.	23234	Seq. ID	OJ990915_06.9B15.C26
Gene No.	48333	Strand	-
Start	10	End	3696
Name	OJ990915_06.9B15.C26.o4.tw	Method	TBLASTX:Wheat
Start	3366	End	3693
GI	none	Score	45
Exons	3366..3485, 3427..3489, 3510..3581, 3511..3558, 3567..3692, 3571..3693		

Seq. No.	23235	Seq. ID	OJ990915_06.9B15.C27
Gene No.	48334	Strand	+
Start	447	End	825
Name	OJ990915_06.9B15.C27.o1.gs	Method	GENSCAN
Start	447	End	825
GI	none	Score	.52
Exons	447..825		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48335	Strand	+
Start	1068	End	7163
Name	OJ990825_07.9B16.C3.o1.gs	Method	GENSCAN
Start	1068	End	7163

GI	none	Score	.59
Exons	1068..3866, 4002..7163		
Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48335	Strand	+
Start	1068	End	7163
Name	OJ990825_07.9B16.C3.o1.np	Method	AAT/NAP
Start	1068	End	7127
GI	5922631	Score	6687
Exons	1068..1192, 1451..1698, 1933..2135, 2181..2752, 2795..2943, 3070..3993, 4600..7127		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48336	Strand	+
Start	19070	End	22014
Name	OJ990825_07.9B16.C3.o4.gs	Method	GENSCAN
Start	19070	End	22014
GI	none	Score	.8
Exons	19070..19954, 20041..20788, 20864..21064, 21197..21316, 21389..21493, 21566..22014		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48337	Strand	+
Start	28784	End	32265
Name	OJ990825_07.9B16.C3.o6.gs	Method	GENSCAN
Start	28784	End	32265
GI	none	Score	.9
Exons	28784..28786, 29269..29437, 29588..29692, 29858..30192, 30411..30579, 30613..31041, 31116..31303, 31379..31568, 31640..31744, 31817..32265		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48337	Strand	+
Start	28784	End	32265
Name	OJ990825_07.9B16.C3.o5.np	Method	AAT/NAP
Start	29308	End	30201
GI	5902448	Score	1603
Exons	29308..30201		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48337	Strand	+
Start	28784	End	32265
Name	OJ990825_07.9B16.C3.o6.np	Method	AAT/NAP
Start	30291	End	31070
GI	5902447	Score	1102
Exons	30291..30743, 30780..31070		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
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Gene No. 48337
 Start 28784
 Name OJ990825_07.9B16.C3.o7.np
 Start 31804
 GI 5902446
 Exons 31804..32262
 GI Descrip. (AB030283) orf5 [Oryza sativa]

Strand +
 End 32265
 Method AAT/NAP
 End 32262
 Score 746

Seq. No. 23236
 Gene No. 48338
 Start 7481
 Name OJ990825_07.9B16.C3.o2.gs
 Start 7481
 GI none
 Exons 7481..7929, 8002..8106, 8179..8368, 8444..8631, 8751..9082, 9165..9340, 9538..10422

Seq. ID OJ990825_07.9B16.C3
 Strand -
 End 10422
 Method GENSCAN
 End 10422
 Score .9

Seq. No. 23236
 Gene No. 48338
 Start 7481
 Name OJ990825_07.9B16.C3.o2.np
 Start 7484
 GI 6691716
 Exons 7484..7929, 8002..8114, 8265..8368, 8444..8638, 8815..9082, 9165..9340, 9538..10422

Seq. ID OJ990825_07.9B16.C3
 Strand -
 End 10422
 Method AAT/NAP
 End 10422
 Score 2307

GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No. 23236
 Gene No. 48339
 Start 12931
 Name OJ990825_07.9B16.C3.o1.gp
 Start 12931
 GI LIB3477-003-P1-K1-E9
 Exons 12931..12982, 13132..13184
 GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. ID OJ990825_07.9B16.C3
 Strand -
 End 13184
 Method AAT/GAP
 End 13184
 Score 88

Seq. No. 23236
 Gene No. 48340
 Start 14366
 Name OJ990825_07.9B16.C3.o3.gs
 Start 14366
 GI none
 Exons 14366..14586, 14702..14755, 15267..15327

Seq. ID OJ990825_07.9B16.C3
 Strand -
 End 15327
 Method GENSCAN
 End 15327
 Score .68

Seq. No. 23236
 Gene No. 48341
 Start 22331
 Name OJ990825_07.9B16.C3.o5.gs
 Start 22331
 GI none
 Exons 22331..23680, 23780..25412, 25509..26100, 26108..27176

Seq. ID OJ990825_07.9B16.C3
 Strand -
 End 27176
 Method GENSCAN
 End 27176
 Score .46

Seq. No. 23236
 Seq. ID OJ990825_07.9B16.C3

Gene No.	48341	Strand	-
Start	22331	End	27176
Name	OJ990825_07.9B16.C3.o3.np	Method	AAT/NAP
Start	22334	End	25429
GI	5902445	Score	5341
Exons	22334..25429		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48341	Strand	-
Start	22331	End	27176
Name	OJ990825_07.9B16.C3.o4.np	Method	AAT/NAP
Start	25446	End	27176
GI	5902444	Score	1627
Exons	25446..25487, 25696..25894, 26132..27176		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o7.tw	Method	TBLASTX:Wheat
Start	2357	End	2759
GI	none	Score	294
Exons	2357..2626, 2358..2759		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o1.tw	Method	TBLASTX:Wheat
Start	3333	End	26122
GI	none	Score	149
Exons	3333..3509, 3396..3509, 3554..3790, 3558..3788, 3837..4130, 3902..4126, 25364..25600, 25368..25568, 25704..25940, 25706..25936, 25985..26122		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o3.ts	Method	TBLASTX:Soybean
Start	4050	End	25444
GI	none	Score	138
Exons	4050..4274, 4281..4415, 25079..25213, 25220..25444		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o8.tw	Method	TBLASTX:Wheat
Start	4131	End	25363
GI	none	Score	282
Exons	4131..4364, 4151..4363, 4152..4364, 4201..4365, 25129..25293, 25130..25342, 25130..25363, 25131..25343		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o2.tm	Method	TBLASTX:Maize
Start	4140	End	25354

GI	none	Score	375
Exons	4140..4496, 4181..4486, 4203..4496, 24998..25291, 24998..25354, 25008..25313		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o2.tw	Method	TBLASTX:Wheat
Start	4365	End	25129
GI	none	Score	470
Exons	4365..4784, 4367..4783, 24710..25129, 24711..25127		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o1.ts	Method	TBLASTX:Soybean
Start	4659	End	24835
GI	none	Score	317
Exons	4659..5060, 4676..4819, 4856..5026, 24434..24835, 24468..24638, 24675..24818		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o3.tm	Method	TBLASTX:Maize
Start	4727	End	24767
GI	none	Score	272
Exons	4727..4981, 4728..4982, 5003..5134, 5004..5147, 5145..5171, 24323..24349, 24347..24490, 24360..24491, 24512..24766, 24513..24767		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o6.tw	Method	TBLASTX:Wheat
Start	4829	End	24665
GI	none	Score	415
Exons	4829..5257, 4830..5258, 24236..24664, 24237..24665		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o2.ts	Method	TBLASTX:Soybean
Start	5286	End	24208
GI	none	Score	88
Exons	5286..5390, 5294..5674, 5430..5672, 23820..24200, 23822..24208		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o5.tw	Method	TBLASTX:Wheat
Start	5295	End	24199
GI	none	Score	416
Exons	5295..5717, 5303..5707, 23777..24199, 23787..24191		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-

Start	23582	End	33335
Name	OJ990825_07.9B16.C3.o5.tm	Method	TBLASTX:Maize
Start	5348	End	24146
GI	none	Score	126
Exons	5348..5518, 5349..5519, 5523..5621, 5555..5620, 23873..23971, 23874..23939, 23975..24136, 23976..24146		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o10.tw	Method	TBLASTX:Wheat
Start	5733	End	23761
GI	none	Score	135
Exons	5733..5867, 5892..6032, 23462..23602, 23627..23761		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o1.tm	Method	TBLASTX:Maize
Start	6029	End	23465
GI	none	Score	450
Exons	6029..6340, 6030..6353, 6038..6364, 6344..6391, 6345..6392, 23102..23149, 23103..23150, 23121..23456, 23141..23464, 23154..23465		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o4.tw	Method	TBLASTX:Wheat
Start	6035	End	23459
GI	none	Score	417
Exons	6035..6346, 6036..6422, 6237..6422, 23072..23263, 23072..23458, 23148..23459		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o6.tm	Method	TBLASTX:Maize
Start	6494	End	33242
GI	none	Score	95
Exons	6494..6592, 6495..6593, 6584..6658, 6588..6671, 6681..6767, 22727..22813, 22823..22906, 22836..22910, 22893..23000, 22901..22999, 32978..33064, 33074..33157, 33087..33161, 33144..33242, 33152..33241		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o3.tw	Method	TBLASTX:Wheat
Start	6537	End	33208
GI	none	Score	273
Exons	6537..6815, 6557..6646, 6698..6799, 6870..7028, 7014..7151, 7025..7147, 22343..22480, 22466..22957, 22695..22796, 22848..22937, 32594..32731, 32717..32875, 32930..33208, 32946..33047, 33099..33188		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
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Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o4.tm	Method	TBLASTX:Maize
Start	6879	End	32866
GI	none	Score	152
Exons	6879..7031, 6980..7030, 7010..7111, 7011..7112, 22382..22483, 22383..22484, 22463..22615, 22464..22523, 32633..32734, 32634..32735, 32714..32866, 32715..32789		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o9.tw	Method	TBLASTX:Wheat
Start	10012	End	29718
GI	none	Score	220
Exons	10012..10302, 19190..19480, 19330..19443, 29428..29718		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o7.gs	Method	GENSCAN
Start	32582	End	33151
GI	none	Score	.95
Exons	32582..33151		

Seq. No.	23236	Seq. ID	OJ990825_07.9B16.C3
Gene No.	48342	Strand	-
Start	32582	End	33335
Name	OJ990825_07.9B16.C3.o8.np	Method	AAT/NAP
Start	32585	End	33335
GI	5902445	Score	1201
Exons	32585..33335		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23237	Seq. ID	OJ990825_07.9B16.C4
Gene No.	48343	Strand	-
Start	1	End	2648
Name	OJ990825_07.9B16.C4.o1.np	Method	AAT/NAP
Start	1	End	2648
GI	5902445	Score	3584
Exons	1..47, 529..2648		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23237	Seq. ID	OJ990825_07.9B16.C4
Gene No.	48343	Strand	-
Start	1	End	2648
Name	OJ990825_07.9B16.C4.o1.gs	Method	GENSCAN
Start	12	End	2615
GI	none	Score	.49
Exons	12..801, 972..2615		

Seq. No.	23237	Seq. ID	OJ990825_07.9B16.C4
Gene No.	48343	Strand	-
Start	1	End	2648
Name	OJ990825_07.9B16.C4.o4.tw	Method	TBLASTX:Wheat
Start	34	End	436
GI	none	Score	114

Exons 34..435, 167..436

Seq. No. 23237
Gene No. 48343
Start 1
Name OJ990825_07.9B16.C4.o3.tw
Start 602
GI none
Exons 602..973, 604..972

Seq. ID OJ990825_07.9B16.C4
Strand -
End 2648
Method TBLASTX:Wheat
End 973
Score 234

Seq. No. 23237
Gene No. 48343
Start 1
Name OJ990825_07.9B16.C4.o1.tm
Start 760
GI none
Exons 760..807, 761..808, 799..972, 812..982, 966..1121, 967..1122

Seq. ID OJ990825_07.9B16.C4
Strand -
End 2648
Method TBLASTX:Maize
End 1122
Score 67

Seq. No. 23237
Gene No. 48343
Start 1
Name OJ990825_07.9B16.C4.o6.tw
Start 1077
GI none
Exons 1077..1259, 1284..1418

Seq. ID OJ990825_07.9B16.C4
Strand -
End 2648
Method TBLASTX:Wheat
End 1418
Score 134

Seq. No. 23237
Gene No. 48343
Start 1
Name OJ990825_07.9B16.C4.o3.tm
Start 1350
GI none
Exons 1350..1604, 1489..1596

Seq. ID OJ990825_07.9B16.C4
Strand -
End 2648
Method TBLASTX:Maize
End 1604
Score 57

Seq. No. 23237
Gene No. 48343
Start 1
Name OJ990825_07.9B16.C4.o2.tw
Start 1434
GI none
Exons 1434..1856, 1444..1851, 1698..1853

Seq. ID OJ990825_07.9B16.C4
Strand -
End 2648
Method TBLASTX:Wheat
End 1856
Score 279

Seq. No. 23237
Gene No. 48343
Start 1
Name OJ990825_07.9B16.C4.o2.ts
Start 1477
GI none
Exons 1477..1857, 1479..1721, 1761..1865

Seq. ID OJ990825_07.9B16.C4
Strand -
End 2648
Method TBLASTX:Soybean
End 1865
Score 176

Seq. No. 23237
Gene No. 48343
Start 1
Name OJ990825_07.9B16.C4.o5.tw
Start 1856
GI none
Exons 1856..1954, 1857..2132, 1858..2142, 1860..2141

Seq. ID OJ990825_07.9B16.C4
Strand -
End 2648
Method TBLASTX:Wheat
End 2142
Score 86

Seq. No.	23237	Seq. ID	OJ990825_07.9B16.C4
Gene No.	48343	Strand	-
Start	1	End	2648
Name	OJ990825_07.9B16.C4.o2.tm	Method	TBLASTX:Maize
Start	1980	End	2424
GI	none	Score	87
Exons	1980..2006, 2004..2147, 2017..2148, 2169..2399, 2169..2423, 2170..2424		

Seq. No.	23237	Seq. ID	OJ990825_07.9B16.C4
Gene No.	48343	Strand	-
Start	1	End	2648
Name	OJ990825_07.9B16.C4.o1.ts	Method	TBLASTX:Soybean
Start	2091	End	2492
GI	none	Score	58
Exons	2091..2492, 2125..2295, 2331..2459, 2332..2475		

Seq. No.	23237	Seq. ID	OJ990825_07.9B16.C4
Gene No.	48343	Strand	-
Start	1	End	2648
Name	OJ990825_07.9B16.C4.o1.tw	Method	TBLASTX:Wheat
Start	2146	End	2570
GI	none	Score	300
Exons	2146..2526, 2146..2451, 2151..2570		

Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48344	Strand	+
Start	5809	End	10160
Name	OJ990825_07.9B16.C5.o2.gs	Method	GENSCAN
Start	5809	End	10160
GI	none	Score	.76
Exons	5809..8870, 9598..9690, 10064..10160		

Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48345	Strand	+
Start	17943	End	19711
Name	OJ990825_07.9B16.C5.o5.gs	Method	GENSCAN
Start	17943	End	19711
GI	none	Score	.9
Exons	17943..18024, 18827..18977, 19591..19711		

Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48346	Strand	+
Start	24656	End	24828
Name	OJ990825_07.9B16.C5.o4.gp	Method	AAT/GAP
Start	24656	End	24828
GI	LIB3433-026-P1-K1-C1	Score	242
Exons	24656..24828		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl17804'		

Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48347	Strand	+
Start	25448	End	26244
Name	OJ990825_07.9B16.C5.o3.np	Method	AAT/NAP
Start	25448	End	26244

GI	4512231	Score	1280
Exons	25448..26244		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48347	Strand	+
Start	25448	End	26244
Name	OJ990825_07.9B16.C5.o7.gs	Method	GENSCAN
Start	25448	End	26242
GI	none	Score	.42
Exons	25448..25594, 25769..26242		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48348	Strand	+
Start	26514	End	30208
Name	OJ990825_07.9B16.C5.o4.np	Method	AAT/NAP
Start	26470	End	30208
GI	4680179	Score	4556
Exons	26470..27539, 27567..30208		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48348	Strand	+
Start	26514	End	30208
Name	OJ990825_07.9B16.C5.o8.gs	Method	GENSCAN
Start	26514	End	29873
GI	none	Score	.5
Exons	26514..27624, 27811..28077, 28125..29873		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48349	Strand	-
Start	1	End	4993
Name	OJ990825_07.9B16.C5.o1.np	Method	AAT/NAP
Start	1	End	4993
GI	5922631	Score	4969
Exons	1..1446, 2053..2976, 3103..3254, 3297..3861, 3907..4116, 4366..4610, 4869..4993		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48349	Strand	-
Start	1	End	4993
Name	OJ990825_07.9B16.C5.o1.gs	Method	GENSCAN
Start	140	End	4993
GI	none	Score	.52
Exons	140..1964, 2061..3861, 3894..4023, 4031..4993		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48350	Strand	-
Start	12364	End	16900
Name	OJ990825_07.9B16.C5.o3.gs	Method	GENSCAN

Start 12364
 GI none
 Exons 12364..12477, 12600..12704

End 12704
 Score .78

Seq. No. 23238
 Gene No. 48350
 Start 12364
 Name OJ990825_07.9B16.C5.o3.gp
 Start 12600
 GI 702991
 Exons 12600..12823, 16690..16900

Seq. ID OJ990825_07.9B16.C5
 Strand -
 End 16900
 Method AAT/GAP
 End 16900
 Score 772

Seq. No. 23238
 Gene No. 48351
 Start 21111
 Name OJ990825_07.9B16.C5.o13.tw
 Start 2
 GI none
 Exons 2..154, 179..313

Seq. ID OJ990825_07.9B16.C5
 Strand -
 End 28978
 Method TBLASTX:Wheat
 End 313
 Score 130

Seq. No. 23238
 Gene No. 48351
 Start 21111
 Name OJ990825_07.9B16.C5.o8.tm
 Start 245
 GI none
 Exons 245..499

Seq. ID OJ990825_07.9B16.C5
 Strand -
 End 28978
 Method TBLASTX:Maize
 End 499
 Score 193

Seq. No. 23238
 Gene No. 48351
 Start 21111
 Name OJ990825_07.9B16.C5.o5.tw
 Start 329
 GI none
 Exons 329..751, 339..746, 398..748

Seq. ID OJ990825_07.9B16.C5
 Strand -
 End 28978
 Method TBLASTX:Wheat
 End 751
 Score 272

Seq. No. 23238
 Gene No. 48351
 Start 21111
 Name OJ990825_07.9B16.C5.o3.ts
 Start 372
 GI none
 Exons 372..752, 374..616, 656..760

Seq. ID OJ990825_07.9B16.C5
 Strand -
 End 28978
 Method TBLASTX:Soybean
 End 760
 Score 166

Seq. No. 23238
 Gene No. 48351
 Start 21111
 Name OJ990825_07.9B16.C5.o11.tw
 Start 752
 GI none
 Exons 752..946, 756..971

Seq. ID OJ990825_07.9B16.C5
 Strand -
 End 28978
 Method TBLASTX:Wheat
 End 971
 Score 98

Seq. No. 23238
 Gene No. 48351
 Start 21111
 Name OJ990825_07.9B16.C5.o4.tw
 Start 1041

Seq. ID OJ990825_07.9B16.C5
 Strand -
 End 28978
 Method TBLASTX:Wheat
 End 28942

GI	none	Score	299
Exons	1041..1421, 1046..1420, 28697..28942		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o4.tm	Method	TBLASTX:Maize
Start	1073	End	28978
GI	none	Score	110
Exons	1073..1420, 1469..1546, 28487..28615, 28676..28978, 28729..28857		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o1.ts	Method	TBLASTX:Soybean
Start	1124	End	28927
GI	none	Score	57
Exons	1124..1408, 28532..28564, 28534..28563, 28568..28621, 28570..28611, 28676..28927, 28684..28917		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o3.tw	Method	TBLASTX:Wheat
Start	1460	End	28591
GI	none	Score	531
Exons	1460..1810, 28108..28548, 28109..28591		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o3.tm	Method	TBLASTX:Maize
Start	1550	End	28486
GI	none	Score	214
Exons	1550..1906, 1560..1865, 28241..28486		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o5.ts	Method	TBLASTX:Soybean
Start	1631	End	28420
GI	none	Score	109
Exons	1631..1765, 1772..1996, 28286..28420		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o6.tw	Method	TBLASTX:Wheat
Start	1916	End	2713
GI	none	Score	116
Exons	1916..2080, 1920..2144, 2256..2492, 2258..2488, 2537..2713		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o9.tw	Method	TBLASTX:Wheat
Start	3290	End	3692

GI	none	Score	114
Exons	3290..3691, 3423..3692		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o5.tm	Method	TBLASTX:Maize
Start	8485	End	8873
GI	none	Score	67
Exons	8485..8556, 8527..8637, 8632..8739, 8641..8715, 8712..8873, 8725..8871		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o6.gs	Method	GENSCAN
Start	21111	End	24016
GI	none	Score	.76
Exons	21111..21244, 22341..22488, 22712..22921, 22971..23223, 24003..24016		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o12.tw	Method	TBLASTX:Wheat
Start	26690	End	26888
GI	none	Score	198
Exons	26690..26887, 26706..26888		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o7.tm	Method	TBLASTX:Maize
Start	26940	End	27278
GI	none	Score	246
Exons	26940..27278, 26984..27046, 27019..27141		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o8.tw	Method	TBLASTX:Wheat
Start	26940	End	27290
GI	none	Score	306
Exons	26940..27290		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48351	Strand	-
Start	21111	End	28978
Name	OJ990825_07.9B16.C5.o10.tw	Method	TBLASTX:Wheat
Start	27624	End	27977
GI	none	Score	247
Exons	27624..27977		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48352	Strand	-
Start	28943	End	29368
Name	OJ990825_07.9B16.C5.o2.tw	Method	TBLASTX:Wheat

Start	28943	End	29368
GI	none	Score	595
Exons	28943..29368, 28945..29004, 29020..29361		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48352	Strand	
Start	28943	End	29368
Name	OJ990825_07.9B16.C5.o4.ts	Method	TBLASTX:Soybean
Start	28949	End	29197
GI	none	Score	212
Exons	28949..29197, 28975..29079, 29134..29178		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48352	Strand	
Start	28943	End	29368
Name	OJ990825_07.9B16.C5.o1.tm	Method	TBLASTX:Maize
Start	29015	End	29368
GI	none	Score	465
Exons	29015..29368, 29020..29361		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48353	Strand	
Start	29396	End	29983
Name	OJ990825_07.9B16.C5.o1.tw	Method	TBLASTX:Wheat
Start	29396	End	29936
GI	none	Score	628
Exons	29396..29935, 29578..29931, 29682..29936		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48353	Strand	
Start	29396	End	29983
Name	OJ990825_07.9B16.C5.o6.tm	Method	TBLASTX:Maize
Start	29552	End	29899
GI	none	Score	275
Exons	29552..29884, 29578..29898, 29579..29899		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48353	Strand	
Start	29396	End	29983
Name	OJ990825_07.9B16.C5.o1.tc	Method	TBLASTX:Cress
Start	29633	End	29959
GI	none	Score	92
Exons	29633..29815, 29816..29959, 29818..29958		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48353	Strand	
Start	29396	End	29983
Name	OJ990825_07.9B16.C5.o2.ts	Method	TBLASTX:Soybean
Start	29723	End	29983
GI	none	Score	301
Exons	29723..29983, 29734..29982		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48354	Strand	
Start	29900	End	30208
Name	OJ990825_07.9B16.C5.o2.tm	Method	TBLASTX:Maize
Start	29900	End	30208

GI	none	Score	436
Exons	29900..30208, 29911..30207		
Seq. No.	23238	Seq. ID	OJ990825_07.9B16.C5
Gene No.	48354	Strand	
Start	29900	End	30208
Name	OJ990825_07.9B16.C5.o7.tw	Method	TBLASTX:Wheat
Start	29942	End	30208
GI	none	Score	351
Exons	29942..30208, 29942..30046, 29947..30207		
Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48355	Strand	+
Start	1	End	11574
Name	OJ990825_07.9B16.C6.o1.np	Method	AAT/NAP
Start	1	End	700
GI	4680179	Score	1015
Exons	1..700		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48355	Strand	+
Start	1	End	11574
Name	OJ990825_07.9B16.C6.o3.np	Method	AAT/NAP
Start	1	End	11574
GI	5852175	Score	44
Exons	1..41, 3220..3272, 3875..3989, 11542..11574		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48355	Strand	+
Start	1	End	11574
Name	OJ990825_07.9B16.C6.o1.gs	Method	GENSCAN
Start	50	End	1789
GI	none	Score	.7
Exons	50..642, 1093..1201, 1397..1789		
Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48355	Strand	+
Start	1	End	11574
Name	OJ990825_07.9B16.C6.o2.gs	Method	GENSCAN
Start	2388	End	10947
GI	none	Score	.57
Exons	2388..2745, 2751..2897, 3262..3331, 4783..4865, 5228..5300, 6263..6284, 7735..8343, 8380..10745, 10944..10947		
Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48355	Strand	+
Start	1	End	11574
Name	OJ990825_07.9B16.C6.o4.np	Method	AAT/NAP
Start	6978	End	10762
GI	6635380	Score	82
Exons	6978..7018, 10343..10658, 10720..10762		
GI Descrip.	(AF180355) RPS2 protein [Brassica oleracea]		
Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48356	Strand	-

Start	1030	End	3009
Name	OJ990825_07.9B16.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	460
GI	none	Score	60
Exons	1..30, 2..37, 34..195, 35..460, 197..439		

Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48356	Strand	-
Start	1030	End	3009
Name	OJ990825_07.9B16.C6.o2.tw	Method	TBLASTX:Wheat
Start	1	End	229
GI	none	Score	263
Exons	1..225, 2..229		

Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48356	Strand	-
Start	1030	End	3009
Name	OJ990825_07.9B16.C6.o1.tw	Method	TBLASTX:Wheat
Start	233	End	655
GI	none	Score	403
Exons	233..655, 268..342, 382..654		

Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48356	Strand	-
Start	1030	End	3009
Name	OJ990825_07.9B16.C6.o2.np	Method	AAT/NAP
Start	1030	End	3009
GI	5852179	Score	255
Exons	1030..1094, 1446..1638, 2521..2719, 2777..3009		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	23239	Seq. ID	OJ990825_07.9B16.C6
Gene No.	48357	Strand	-
Start	10360	End	10748
Name	OJ990825_07.9B16.C6.o2.tm	Method	TBLASTX:Maize
Start	10360	End	10748
GI	none	Score	66
Exons	10360..10428, 10444..10512, 10516..10590, 10600..10746, 10600..10683, 10619..10729, 10674..10748		

Seq. No.	23240	Seq. ID	OJ990825_07.9B16.C7
Gene No.	48358	Strand	-
Start	272	End	676
Name	OJ990825_07.9B16.C7.o1.tm	Method	TBLASTX:Maize
Start	269	End	657
GI	none	Score	102
Exons	269..430, 271..417, 403..510, 427..501, 505..615, 586..657		

Seq. No.	23240	Seq. ID	OJ990825_07.9B16.C7
Gene No.	48358	Strand	-
Start	272	End	676
Name	OJ990825_07.9B16.C7.o1.gs	Method	GENSCAN
Start	272	End	676
GI	none	Score	.59
Exons	272..676		

Seq. No.	23241	Seq. ID	OJ990825_07.9B16.C8
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Gene No.	48359	Strand	+
Start	242	End	10790
Name	OJ990825_07.9B16.C8.o1.gs	Method	GENSCAN
Start	242	End	10790
GI	none	Score	.94
Exons	242..427, 509..652, 3206..6258, 6997..7187, 10660..10790		

Seq. No.	23241	Seq. ID	OJ990825_07.9B16.C8
Gene No.	48360	Strand	-
Start	12219	End	15393
Name	OJ990825_07.9B16.C8.o1.tm	Method	TBLASTX:Maize
Start	5873	End	6261
GI	none	Score	52
Exons	5873..5917, 5927..6025, 6029..6103, 6037..6126, 6100..6261, 6113..6259		

Seq. No.	23241	Seq. ID	OJ990825_07.9B16.C8
Gene No.	48360	Strand	-
Start	12219	End	15393
Name	OJ990825_07.9B16.C8.o2.gs	Method	GENSCAN
Start	12219	End	15271
GI	none	Score	.87
Exons	12219..12865, 14840..14940, 15020..15271		

Seq. No.	23241	Seq. ID	OJ990825_07.9B16.C8
Gene No.	48360	Strand	-
Start	12219	End	15393
Name	OJ990825_07.9B16.C8.o2.np	Method	AAT/NAP
Start	12222	End	15393
GI	6634721	Score	665
Exons	12222..12865, 14840..14940, 15026..15259, 15290..15393		
GI Descrip.	(AC012463) T2E6.4 [Arabidopsis thaliana]		

Seq. No.	23241	Seq. ID	OJ990825_07.9B16.C8
Gene No.	48360	Strand	-
Start	12219	End	15393
Name	OJ990825_07.9B16.C8.o1.tc	Method	TBLASTX:Cress
Start	12228	End	12845
GI	none	Score	35
Exons	12228..12314, 12384..12422, 12486..12509, 12522..12659, 12720..12821, 12825..12845		

Seq. No.	23241	Seq. ID	OJ990825_07.9B16.C8
Gene No.	48360	Strand	-
Start	12219	End	15393
Name	OJ990825_07.9B16.C8.o1.ts	Method	TBLASTX:Soybean
Start	12522	End	12858
GI	none	Score	92
Exons	12522..12659, 12714..12857, 12736..12858		

Seq. No.	23242	Seq. ID	OJ990825_07.9B16.C9
Gene No.	48361	Strand	+
Start	48	End	613
Name	OJ990825_07.9B16.C9.o1.gs	Method	GENSCAN
Start	48	End	613
GI	none	Score	.9
Exons	48..268, 595..613		

Seq. No.	23243	Seq. ID	OJ990825_07.9B16.C10
Gene No.	48362	Strand	+
Start	860	End	1493
Name	OJ990825_07.9B16.C10.o1.gs	Method	GENSCAN
Start	860	End	1493
GI	none	Score	.6
Exons	860..941, 1234..1335, 1405..1493		

Seq. No.	23243	Seq. ID	OJ990825_07.9B16.C10
Gene No.	48363	Strand	-
Start	1584	End	3209
Name	OJ990825_07.9B16.C10.o1.gp	Method	AAT/GAP
Start	1584	End	2738
GI	none	Score	1357
Exons	1584..2145, 2598..2738		

Seq. No.	23243	Seq. ID	OJ990825_07.9B16.C10
Gene No.	48363	Strand	-
Start	1584	End	3209
Name	OJ990825_07.9B16.C10.o2.gs	Method	GENSCAN
Start	2059	End	3005
GI	none	Score	.47
Exons	2059..2187, 2598..2733, 2859..3005		

Seq. No.	23243	Seq. ID	OJ990825_07.9B16.C10
Gene No.	48363	Strand	-
Start	1584	End	3209
Name	OJ990825_07.9B16.C10.o1.np	Method	AAT/NAP
Start	2065	End	3209
GI	3047080	Score	247
Exons	2065..2125, 2576..2729, 2840..2968, 3116..3209		
GI Descrip.	(AF058914) contains similarity to Arabidopsis thaliana DNA-damage-repair/tolerance resistance protein DRT111 (SW:P42698) [Arabidopsis thaliana]		

Seq. No.	23244	Seq. ID	OJ990825_01.9B16.C1
Gene No.	48364	Strand	+
Start	90	End	171
Name	OJ990825_01.9B16.C1.o1.gs	Method	GENSCAN
Start	90	End	171
GI	none	Score	.75
Exons	90..171		

Seq. No.	23244	Seq. ID	OJ990825_01.9B16.C1
Gene No.	48365	Strand	-
Start	1	End	191
Name	OJ990825_01.9B16.C1.o1.np	Method	AAT/NAP
Start	1	End	191
GI	6063557	Score	117
Exons	1..191		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	23244	Seq. ID	OJ990825_01.9B16.C1
Gene No.	48366	Strand	-
Start	461	End	676
Name	OJ990825_01.9B16.C1.o2.gs	Method	GENSCAN

Start 461
 GI none
 Exons 461..526, 600..676

End 676
 Score .97

Seq. No. 23245
 Gene No. 48367
 Start 213
 Name OJ990825_01.9B16.C2.o1.gs
 Start 213
 GI none
 Exons 213..389, 945..1004, 1208..1463

Seq. ID OJ990825_01.9B16.C2
 Strand -
 End 1463
 Method GENSCAN
 End 1463
 Score .54

Seq. No. 23245
 Gene No. 48367
 Start 213
 Name OJ990825_01.9B16.C2.o1.tw
 Start 440
 GI none
 Exons 440..526, 445..669, 578..625, 668..799, 670..795

Seq. ID OJ990825_01.9B16.C2
 Strand -
 End 1463
 Method TBLASTX:Wheat
 End 799
 Score 56

Seq. No. 23246
 Gene No. 48368
 Start 64
 Name OJ990825_01.9B16.C3.o1.gs
 Start 64
 GI none
 Exons 64..205, 1223..1272

Seq. ID OJ990825_01.9B16.C3
 Strand -
 End 1272
 Method GENSCAN
 End 1272
 Score .5

Seq. No. 23247
 Gene No. 48369
 Start 207
 Name OJ990825_01.9B16.C4.o1.tm
 Start 162
 GI none
 Exons 162..410, 168..284, 170..391

Seq. ID OJ990825_01.9B16.C4
 Strand +
 End 410
 Method TBLASTX:Maize
 End 410
 Score 213

Seq. No. 23247
 Gene No. 48369
 Start 207
 Name OJ990825_01.9B16.C4.o1.gs
 Start 207
 GI none
 Exons 207..408

Seq. ID OJ990825_01.9B16.C4
 Strand +
 End 410
 Method GENSCAN
 End 408
 Score .71

Seq. No. 23248
 Gene No. 48370
 Start 1
 Name OJ990825_01.9B16.C5.o1.np
 Start 1
 GI 3738337
 Exons 1..798

Seq. ID OJ990825_01.9B16.C5
 Strand +
 End 798
 Method AAT/NAP
 End 798
 Score 330

GI Descrip. (AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]

Seq. No. 23248
 Gene No. 48370
 Start 1

Seq. ID OJ990825_01.9B16.C5
 Strand +
 End 798

Name	OJ990825_01.9B16.C5.o1.tm	Method	TBLASTX:Maize
Start	7	End	730
GI	none	Score	348
Exons	7..408, 123..380, 368..730		
Seq. No.	23248	Seq. ID	OJ990825_01.9B16.C5
Gene No.	48370	Strand	+
Start	1	End	798
Name	OJ990825_01.9B16.C5.o1.tw	Method	TBLASTX:Wheat
Start	58	End	396
GI	none	Score	130
Exons	58..234, 123..203, 244..396		
Seq. No.	23248	Seq. ID	OJ990825_01.9B16.C5
Gene No.	48370	Strand	+
Start	1	End	798
Name	OJ990825_01.9B16.C5.o1.ts	Method	TBLASTX:Soybean
Start	325	End	790
GI	none	Score	57
Exons	325..381, 442..483, 452..679, 562..651, 746..790		
Seq. No.	23248	Seq. ID	OJ990825_01.9B16.C5
Gene No.	48370	Strand	+
Start	1	End	798
Name	OJ990825_01.9B16.C5.o2.tw	Method	TBLASTX:Wheat
Start	476	End	796
GI	none	Score	168
Exons	476..721, 716..796		
Seq. No.	23249	Seq. ID	OJ990825_01.9B16.C6
Gene No.	48371	Strand	+
Start	614	End	4633
Name	OJ990825_01.9B16.C6.o1.gs	Method	GENSCAN
Start	614	End	4633
GI	none	Score	.82
Exons	614..747, 3349..3448, 4435..4633		
Seq. No.	23249	Seq. ID	OJ990825_01.9B16.C6
Gene No.	48372	Strand	+
Start	5006	End	6961
Name	OJ990825_01.9B16.C6.o1.np	Method	AAT/NAP
Start	5006	End	6961
GI	4680186	Score	208
Exons	5006..5032, 6756..6961		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	23249	Seq. ID	OJ990825_01.9B16.C6
Gene No.	48373	Strand	+
Start	7972	End	9374
Name	OJ990825_01.9B16.C6.o2.np	Method	AAT/NAP
Start	7972	End	9374
GI	5802907	Score	87
Exons	7972..8240, 9211..9374		
GI Descrip.	(AF174394) apoptotic-related protein PCAR [Homo sapiens]		
Seq. No.	23249	Seq. ID	OJ990825_01.9B16.C6
Gene No.	48374	Strand	-

Start 3907
 Name OJ990825_01.9B16.C6.o1.gp
 Start 3907
 GI none
 Exons 3907..3943, 4199..4300

End 4300
 Method AAT/GAP
 End 4300
 Score 167

Seq. No. 23249
 Gene No. 48375
 Start 7324
 Name OJ990825_01.9B16.C6.o2.gp
 Start 6505
 GI uC-osflcyp033a04b1
 Exons 6505..6889
 GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. ID OJ990825_01.9B16.C6
 Strand -
 End 10022
 Method AAT/GAP
 End 6889
 Score 620

Seq. No. 23249
 Gene No. 48375
 Start 7324
 Name OJ990825_01.9B16.C6.o2.gs
 Start 7324
 GI none
 Exons 7324..7409, 7667..8260, 9797..10022

Seq. ID OJ990825_01.9B16.C6
 Strand -
 End 10022
 Method GENSCAN
 End 10022
 Score .61

Seq. No. 23249
 Gene No. 48376
 Start 10988
 Name OJ990825_01.9B16.C6.o3.gs
 Start 10988
 GI none
 Exons 10988..11143, 11252..12625, 13501..13512

Seq. ID OJ990825_01.9B16.C6
 Strand -
 End 13814
 Method GENSCAN
 End 13512
 Score .8

Seq. No. 23249
 Gene No. 48376
 Start 10988
 Name OJ990825_01.9B16.C6.o3.np
 Start 11305
 GI 161752
 Exons 11305..11407, 11675..11753, 11899..11974, 12008..12141, 12259..12363, 13793..13814
 GI Descrip. (L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]

Seq. ID OJ990825_01.9B16.C6
 Strand -
 End 13814
 Method AAT/NAP
 End 13814
 Score 102

Seq. No. 23250
 Gene No. 48377
 Start 249
 Name OJ990825_01.9B16.C8.o1.gs
 Start 249
 GI none
 Exons 249..381

Seq. ID OJ990825_01.9B16.C8
 Strand +
 End 381
 Method GENSCAN
 End 381
 Score .89

Seq. No. 23251
 Gene No. 48378
 Start 2534
 Name OJ990825_01.9B16.C9.o4.np
 Start 2534
 GI 6815109

Seq. ID OJ990825_01.9B16.C9
 Strand +
 End 7021
 Method AAT/NAP
 End 7021
 Score 372

Exons 2534..2796, 4688..4761, 5601..5705, 5773..6725, 6760..7021
GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No. 23251 Seq. ID OJ990825_01.9B16.C9
Gene No. 48378 Strand +
Start 2534 End 7021
Name OJ990825_01.9B16.C9.o3.np Method AAT/NAP
Start 4818 End 4907
GI 4680183 Score 130
Exons 4818..4907
GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No. 23251 Seq. ID OJ990825_01.9B16.C9
Gene No. 48379 Strand -
Start 269 End 11391
Name OJ990825_01.9B16.C9.o1.gs Method GENSCAN
Start 269 End 11391
GI none Score .41
Exons 269..309, 2050..2146, 2429..2473, 2593..2645, 2916..2940,
3728..3885, 5321..5406, 5662..5868, 6063..6192, 6286..6365,
6863..6977, 7737..7825, 10438..10747, 10764..11391

Seq. No. 23251 Seq. ID OJ990825_01.9B16.C9
Gene No. 48379 Strand -
Start 269 End 11391
Name OJ990825_01.9B16.C9.o1.np Method AAT/NAP
Start 841 End 4055
GI 2583127 Score 304
Exons 841..890, 1537..1627, 2050..2146, 2228..2298, 2549..2645,
3806..4055
GI Descrip. (AC002387) putative O-sialoglycoprotein endopeptidase
[Arabidopsis thaliana]

Seq. No. 23251 Seq. ID OJ990825_01.9B16.C9
Gene No. 48379 Strand -
Start 269 End 11391
Name OJ990825_01.9B16.C9.o2.np Method AAT/NAP
Start 2724 End 4785
GI 6721561 Score 138
Exons 2724..2926, 4681..4785
GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the
predicted gene.; hypothetical protein [Oryza sativa]
gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)
corresponds to a region of the predicted gene.; hypothetical
protein [Oryza sativa]

Seq. No. 23251 Seq. ID OJ990825_01.9B16.C9
Gene No. 48379 Strand -
Start 269 End 11391
Name OJ990825_01.9B16.C9.o2.gp Method AAT/GAP
Start 4099 End 4188
GI uC-osflcyp088b12b1 Score 125
Exons 4099..4188
GI Descrip. '5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic
DNA, chromosome 8, clone:P0026F07'

Seq. No. 23252 Seq. ID OJ990825_01.9B16.C10

Gene No.	48380	Strand	+
Start	9	End	527
Name	OJ990825_01.9B16.C10.o1.gs	Method	GENSCAN
Start	9	End	527
GI	none	Score	.68
Exons	9..117, 322..527		
Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48381	Strand	+
Start	490	End	771
Name	OJ990825_01.9B16.C10.o1.gp	Method	AAT/GAP
Start	490	End	771
GI	3759154	Score	467
Exons	490..771		
Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48382	Strand	-
Start	1375	End	4546
Name	OJ990825_01.9B16.C10.o2.gs	Method	GENSCAN
Start	1375	End	4546
GI	none	Score	.65
Exons	1375..1501, 1883..2000, 3237..3472, 3942..4256, 4536..4546		
Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48382	Strand	-
Start	1375	End	4546
Name	OJ990825_01.9B16.C10.o2.gp	Method	AAT/GAP
Start	1450	End	3376
GI	1156_1.R1084	Score	1185
Exons	1450..1810, 1883..2000, 3237..3376		
GI Descrip.	'4582488/emb CAB40377.1 6.0e-28 (AL021768) putative protein [Arabidopsis thaliana]'		
Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48382	Strand	-
Start	1375	End	4546
Name	OJ990825_01.9B16.C10.o1.np	Method	AAT/NAP
Start	1711	End	3429
GI	4581114	Score	448
Exons	1711..1810, 1883..2000, 3237..3429		
GI Descrip.	(AC005825) putative HesB-like protein [Arabidopsis thaliana]		
Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48383	Strand	-
Start	5413	End	5765
Name	OJ990825_01.9B16.C10.o3.gs	Method	GENSCAN
Start	5413	End	5765
GI	none	Score	.69
Exons	5413..5553, 5595..5765		
Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48384	Strand	-
Start	6644	End	11305
Name	OJ990825_01.9B16.C10.o1.tc	Method	TBLASTX:Cress
Start	1738	End	3435
GI	none	Score	101
Exons	1738..1812, 1745..1813, 1882..2019, 1883..1942, 1885..2049,		

3234..3302, 3238..3435, 3332..3424

Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48384	Strand	-
Start	6644	End	11305
Name	OJ990825_01.9B16.C10.o1.ts	Method	TBLASTX:Soybean
Start	1741	End	3429
GI	none	Score	78
Exons	1741..1812, 1745..1813, 1882..2019, 1883..1942, 1888..2001, 3238..3429		

Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48384	Strand	-
Start	6644	End	11305
Name	OJ990825_01.9B16.C10.o1.tm	Method	TBLASTX:Maize
Start	1891	End	3390
GI	none	Score	83
Exons	1891..2001, 1891..2019, 3238..3390		

Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48384	Strand	-
Start	6644	End	11305
Name	OJ990825_01.9B16.C10.o4.gs	Method	GENSCAN
Start	6644	End	10460
GI	none	Score	.72
Exons	6644..6816, 7025..7146, 7247..7369, 7675..7791, 8907..8990, 9242..9386, 9448..9622, 10026..10147, 10451..10460		

Seq. No.	23252	Seq. ID	OJ990825_01.9B16.C10
Gene No.	48384	Strand	-
Start	6644	End	11305
Name	OJ990825_01.9B16.C10.o2.np	Method	AAT/NAP
Start	7983	End	11305
GI	6721512	Score	97
Exons	7983..8022, 8505..8589, 9282..9401, 11280..11305		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48385	Strand	+
Start	1609	End	2989
Name	OJ990825_01.9B16.C11.o1.gs	Method	GENSCAN
Start	1609	End	2989
GI	none	Score	.5
Exons	1609..1703, 1837..1928, 2973..2989		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48386	Strand	+
Start	11020	End	13493
Name	OJ990825_01.9B16.C11.o3.gs	Method	GENSCAN
Start	11020	End	13493
GI	none	Score	.74
Exons	11020..11103, 11177..11277, 12500..12589, 13379..13493		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48387	Strand	-
Start	2496	End	2760
Name	OJ990825_01.9B16.C11.o1.np	Method	AAT/NAP

Start	2496	End	2760
GI	5262156	Score	155
Exons	2496..2760		
GI Descrip.	(AL080237) putative protein [Arabidopsis thaliana]		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48388	Strand	-
Start	3831	End	9560
Name	OJ990825_01.9B16.C11.o2.gs	Method	GENSCAN
Start	3831	End	9560
GI	none	Score	.52
Exons	3831..4319, 4657..5030, 5641..5704, 7126..7624, 8207..8494, 8676..9036, 9545..9560		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48388	Strand	-
Start	3831	End	9560
Name	OJ990825_01.9B16.C11.o2.np	Method	AAT/NAP
Start	3834	End	7841
GI	5668793	Score	1890
Exons	3834..4319, 4423..4554, 4657..5084, 5641..5774, 7126..7338, 7580..7643, 7742..7841		
GI Descrip.	(AC007519) Similar to gb U39782 lysine and histidine specific transporter from Arabidopsis thaliana. EST gb Z17527 comes from this gene.		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48389	Strand	-
Start	15653	End	15783
Name	OJ990825_01.9B16.C11.o4.tm	Method	TBLASTX:Maize
Start	2549	End	2763
GI	none	Score	170
Exons	2549..2761, 2581..2763, 2587..2763		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48389	Strand	-
Start	15653	End	15783
Name	OJ990825_01.9B16.C11.o3.ts	Method	TBLASTX:Soybean
Start	2558	End	2763
GI	none	Score	174
Exons	2558..2761, 2577..2693, 2578..2763		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48389	Strand	-
Start	15653	End	15783
Name	OJ990825_01.9B16.C11.o2.tm	Method	TBLASTX:Maize
Start	3840	End	8455
GI	none	Score	380
Exons	3840..4010, 3841..4122, 3841..4122, 3963..4127, 4074..4127, 8420..8455		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48389	Strand	-
Start	15653	End	15783
Name	OJ990825_01.9B16.C11.o1.ts	Method	TBLASTX:Soybean
Start	3978	End	5061
GI	none	Score	148

Exons 3978..4010, 3991..4311, 4074..4310, 4423..4557, 4427..4552, 4657..5061, 4661..5053

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48389	Strand	-
Start	15653	End	15783
Name	OJ990825_01.9B16.C11.o6.tm	Method	TBLASTX:Maize
Start	4128	End	4250
GI	none	Score	137
Exons	4128..4250, 4135..4245		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48389	Strand	-
Start	15653	End	15783
Name	OJ990825_01.9B16.C11.o1.tc	Method	TBLASTX:Cress
Start	4143	End	4977
GI	none	Score	39
Exons	4143..4208, 4147..4191, 4182..4286, 4183..4287, 4191..4307, 4290..4319, 4423..4557, 4427..4552, 4657..4977, 4661..4975, 4789..4977		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48389	Strand	-
Start	15653	End	15783
Name	OJ990825_01.9B16.C11.o1.tm	Method	TBLASTX:Maize
Start	4423	End	4789
GI	none	Score	215
Exons	4423..4557, 4424..4555, 4425..4559, 4639..4788, 4656..4787, 4658..4789		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48389	Strand	-
Start	15653	End	15783
Name	OJ990825_01.9B16.C11.o2.ts	Method	TBLASTX:Soybean
Start	5631	End	7313
GI	none	Score	158
Exons	5631..5774, 5636..5773, 5642..5776, 7194..7313, 7198..7257, 7233..7295		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48389	Strand	-
Start	15653	End	15783
Name	OJ990825_01.9B16.C11.o4.gs	Method	GENSCAN
Start	15653	End	15783
GI	none	Score	.54
Exons	15653..15783		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48390	Strand	-
Start	16430	End	16990
Name	OJ990825_01.9B16.C11.o3.tm	Method	TBLASTX:Maize
Start	16430	End	16895
GI	none	Score	320
Exons	16430..16612, 16431..16796, 16857..16895		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48390	Strand	-

Start	16430	End	16990
Name	OJ990825_01.9B16.C11.o1.tw		
Start	16620	End	16990
GI	none	Score	287
Exons	16620..16988, 16623..16988, 16886..16990		

Seq. No.	23253	Seq. ID	OJ990825_01.9B16.C11
Gene No.	48391	Strand	
Start	17081	End	17356
Name	OJ990825_01.9B16.C11.o5.tm		
Start	17081	End	17356
GI	none	Score	164
Exons	17081..17260, 17098..17175, 17255..17356, 17273..17353		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48392	Strand	+
Start	483	End	11838
Name	OJ990825_01.9B16.C12.o1.gs		
Start	483	End	11838
GI	none	Score	.48
Exons	483..559, 630..1000, 1259..1464, 1597..2249, 2403..3949, 4366..4482, 4595..4684, 4773..4942, 5047..5460, 5541..5839, 5944..6205, 6298..6598, 6669..6691, 6822..7131, 7513..7757, 7837..8157, 8243..8344, 9033..9226, 9250..9398, 9563..9663, 11380..11838		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48392	Strand	+
Start	483	End	11838
Name	OJ990825_01.9B16.C12.o1.np		
Start	1729	End	7145
GI	5441880	Score	2741
Exons	1729..2740, 3185..3216, 3475..3801, 4380..4519, 4628..4961, 5541..5839, 5944..6205, 6278..6522, 6936..7145		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48392	Strand	+
Start	483	End	11838
Name	OJ990825_01.9B16.C12.o2.np		
Start	11373	End	11820
GI	6563248	Score	280
Exons	11373..11820		
GI Descrip.	(AF117237) prefoldin subunit 2 [Homo sapiens]		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48393	Strand	+
Start	27276	End	28108
Name	OJ990825_01.9B16.C12.o4.np		
Start	27239	End	27556
GI	6539588	Score	100
Exons	27239..27556		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
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Gene No.	48393	Strand	+
Start	27276	End	28108
Name	OJ990825_01.9B16.C12.o4.gs	Method	GENSCAN
Start	27276	End	28108
GI	none	Score	.78
Exons	27276..27500, 27983..28108		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48394	Strand	-
Start	9084	End	9234
Name	OJ990825_01.9B16.C12.o1.gp	Method	AAT/GAP
Start	9084	End	9234
GI	none	Score	229
Exons	9084..9234		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48395	Strand	-
Start	11501	End	28550
Name	OJ990825_01.9B16.C12.o2.gp	Method	AAT/GAP
Start	11501	End	11974
GI	4332_1.R1084	Score	855
Exons	11501..11974		
GI Descrip.	'5690431/gb AAD47084.1 AF165883_1 9.0e-20 (AF165883) prefoldin subunit 2 [Homo sapiens]'		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48395	Strand	-
Start	11501	End	28550
Name	OJ990825_01.9B16.C12.o3.np	Method	AAT/NAP
Start	11511	End	28550
GI	4680207	Score	1178
Exons	11511..11579, 15289..15437, 15486..17263, 21899..22697, 28475..28550		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48395	Strand	-
Start	11501	End	28550
Name	OJ990825_01.9B16.C12.o2.gs	Method	GENSCAN
Start	13837	End	22704
GI	none	Score	.43
Exons	13837..13858, 14608..15155, 15343..17207, 19694..19793, 20118..20673, 21899..22704		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48395	Strand	-
Start	11501	End	28550
Name	OJ990825_01.9B16.C12.o3.gs	Method	GENSCAN
Start	23277	End	23732
GI	none	Score	.55
Exons	23277..23366, 23616..23732		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o2.tm	Method	TBLASTX:Maize

Start	2296	End	2892
GI	none	Score	372
Exons	2296..2763, 2301..2774, 2821..2892		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o1.tw	Method	TBLASTX:Wheat
Start	2590	End	2967
GI	none	Score	191
Exons	2590..2739, 2592..2744, 2593..2769, 2793..2861, 2794..2967, 2816..2956		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o4.tw	Method	TBLASTX:Wheat
Start	4686	End	4868
GI	none	Score	89
Exons	4686..4739, 4688..4750, 4748..4867, 4749..4868		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o1.tm	Method	TBLASTX:Maize
Start	11378	End	11827
GI	none	Score	247
Exons	11378..11695, 11383..11826, 11387..11827		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o1.tc	Method	TBLASTX:Cress
Start	11409	End	11751
GI	none	Score	256
Exons	11409..11462, 11410..11637, 11529..11633, 11620..11751, 11622..11657		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o1.ts	Method	TBLASTX:Soybean
Start	11421	End	11832
GI	none	Score	146
Exons	11421..11753, 11421..11462, 11422..11832, 11434..11685, 11529..11831		
Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o2.ts	Method	TBLASTX:Soybean
Start	16222	End	20633
GI	none	Score	74
Exons	16222..16347, 16234..16392, 16489..16545, 16627..16710, 16729..16803, 16795..17010, 16819..16917, 17029..17112, 17030..17089, 17138..17266, 17218..17307, 20103..20381, 20358..20432, 20544..20633		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o2.tc	Method	TBLASTX:Cress
Start	16279	End	22137
GI	none	Score	52
Exons	16279..16419, 16633..16707, 16813..16986, 16814..16939, 16981..17109, 16982..17089, 17293..17349, 20139..20312, 20140..20265, 20307..20399, 20308..20400, 22075..22137		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o5.tm	Method	TBLASTX:Maize
Start	16294	End	16719
GI	none	Score	175
Exons	16294..16407, 16459..16719		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o2.tw	Method	TBLASTX:Wheat
Start	16438	End	16842
GI	none	Score	65
Exons	16438..16485, 16498..16602, 16601..16711, 16609..16713, 16717..16842, 16721..16831		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o3.tm	Method	TBLASTX:Maize
Start	16771	End	20342
GI	none	Score	133
Exons	16771..17016, 16772..17008, 20133..20342, 20137..20334		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o3.tw	Method	TBLASTX:Wheat
Start	16843	End	20426
GI	none	Score	94
Exons	16843..17013, 16862..17014, 17032..17103, 17033..17107, 20140..20418, 20142..20360, 20355..20426		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-
Start	28950	End	29203
Name	OJ990825_01.9B16.C12.o4.tm	Method	TBLASTX:Maize
Start	17021	End	20676
GI	none	Score	68
Exons	17021..17104, 17032..17103, 17127..17204, 17128..17205, 17227..17349, 17228..17350, 20347..20418, 20355..20426, 20453..20533, 20553..20675, 20593..20676		

Seq. No.	23254	Seq. ID	OJ990825_01.9B16.C12
Gene No.	48396	Strand	-

Start 28950
 Name OJ990825_01.9B16.C12.o5.gs
 Start 28950
 GI none
 Exons 28950..29203

End 29203
 Method GENSCAN
 End 29203
 Score .47

Seq. No. 23255
 Gene No. 48397
 Start 54
 Name OJ990825_01.9B16.C13.o1.gs
 Start 54
 GI none
 Exons 54..125

Seq. ID OJ990825_01.9B16.C13
 Strand +
 End 125
 Method GENSCAN
 End 125
 Score .57

Seq. No. 23256
 Gene No. 48398
 Start 1304
 Name OJ990825_01.9B16.C14.o1.np
 Start 1304
 GI 3445201
 Exons 1304..1345, 3314..3472, 4116..4318, 7471..7530
 GI Descrip. (AC004786) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990825_01.9B16.C14
 Strand +
 End 7530
 Method AAT/NAP
 End 7530
 Score 351

Seq. No. 23256
 Gene No. 48398
 Start 1304
 Name OJ990825_01.9B16.C14.o1.gs
 Start 2371
 GI none
 Exons 2371..2456, 2491..2597, 2937..3029, 3266..3496, 4116..4419, 5188..5839

Seq. ID OJ990825_01.9B16.C14
 Strand +
 End 7530
 Method GENSCAN
 End 5839
 Score .8

Seq. No. 23256
 Gene No. 48399
 Start 7453
 Name OJ990825_01.9B16.C14.o3.tm
 Start 1043
 GI none
 Exons 1043..1141, 1141..1287, 1282..1323, 1287..1400, 1345..1401

Seq. ID OJ990825_01.9B16.C14
 Strand -
 End 12768
 Method TBLASTX:Maize
 End 1401
 Score 60

Seq. No. 23256
 Gene No. 48399
 Start 7453
 Name OJ990825_01.9B16.C14.o1.tw
 Start 1141
 GI none
 Exons 1141..1506, 1348..1506

Seq. ID OJ990825_01.9B16.C14
 Strand -
 End 12768
 Method TBLASTX:Wheat
 End 1506
 Score 307

Seq. No. 23256
 Gene No. 48399
 Start 7453
 Name OJ990825_01.9B16.C14.o1.tm
 Start 3306
 GI none
 Exons 3306..3440, 3313..3459, 4073..4282, 4111..4281

Seq. ID OJ990825_01.9B16.C14
 Strand -
 End 12768
 Method TBLASTX:Maize
 End 4282
 Score 183

Seq. No. 23256

Seq. ID OJ990825_01.9B16.C14

Gene No.	48399	Strand	-
Start	7453	End	12768
Name	OJ990825_01.9B16.C14.o1.ts	Method	TBLASTX:Soybean
Start	3315	End	4288
GI	none	Score	129
Exons	3315..3437, 3316..3438, 4117..4287, 4118..4288, 4118..4288		

Seq. No.	23256	Seq. ID	OJ990825_01.9B16.C14
Gene No.	48399	Strand	-
Start	7453	End	12768
Name	OJ990825_01.9B16.C14.o1.tc	Method	TBLASTX:Cress
Start	4147	End	4315
GI	none	Score	204
Exons	4147..4287, 4148..4288, 4157..4315		

Seq. No.	23256	Seq. ID	OJ990825_01.9B16.C14
Gene No.	48399	Strand	-
Start	7453	End	12768
Name	OJ990825_01.9B16.C14.o2.gs	Method	GENSCAN
Start	7453	End	12637
GI	none	Score	.58
Exons	7453..7544, 10557..10753, 12034..12059, 12270..12386, 12549..12637		

Seq. No.	23256	Seq. ID	OJ990825_01.9B16.C14
Gene No.	48399	Strand	-
Start	7453	End	12768
Name	OJ990825_01.9B16.C14.o2.tm	Method	TBLASTX:Maize
Start	11397	End	11552
GI	none	Score	212
Exons	11397..11552, 11414..11551		

Seq. No.	23256	Seq. ID	OJ990825_01.9B16.C14
Gene No.	48399	Strand	-
Start	7453	End	12768
Name	OJ990825_01.9B16.C14.o2.np	Method	AAT/NAP
Start	11407	End	12768
GI	2583127	Score	195
Exons	11407..11548, 12549..12640, 12733..12768		
GI Descrip.	(AC002387) putative O-sialoglycoprotein endopeptidase [Arabidopsis thaliana]		

Seq. No.	23257	Seq. ID	OJ990825_01.9B16.C16
Gene No.	48400	Strand	-
Start	1	End	1048
Name	OJ990825_01.9B16.C16.o1.np	Method	AAT/NAP
Start	1	End	1048
GI	4582488	Score	144
Exons	1..61, 524..670, 1020..1048		
GI Descrip.	(AL021768) putative protein [Arabidopsis thaliana]		

Seq. No.	23257	Seq. ID	OJ990825_01.9B16.C16
Gene No.	48400	Strand	-
Start	1	End	1048
Name	OJ990825_01.9B16.C16.o1.tm	Method	TBLASTX:Maize
Start	522	End	664
GI	none	Score	114

Exons 522..659, 523..660, 525..662, 536..664

Seq. No.	23257	Seq. ID	OJ990825_01.9B16.C16
Gene No.	48400	Strand	-
Start	1	End	1048
Name	OJ990825_01.9B16.C16.o1.gs	Method	GENSCAN
Start	525	End	659
GI	none	Score	.9
Exons	525..659		

Seq. No.	23258	Seq. ID	OJ990825_01.9B16.C17
Gene No.	48401	Strand	-
Start	1	End	5787
Name	OJ990825_01.9B16.C17.o1.np	Method	AAT/NAP
Start	1	End	2889
GI	5668773	Score	225
Exons	1..29, 930..1015, 1547..1681, 2798..2889		
GI Descrip.	(AC005916) Contains similarity to gb AF113001 silencing mediator of retinoic acid and thyroid hormone receptor alpha and gb AF109179 cyclin T1 from Mus musculus. ESTs gb N95317, gb Z29139 and gb Z30853 come from th...		

Seq. No.	23258	Seq. ID	OJ990825_01.9B16.C17
Gene No.	48401	Strand	-
Start	1	End	5787
Name	OJ990825_01.9B16.C17.o1.tm	Method	TBLASTX:Maize
Start	911	End	1776
GI	none	Score	90
Exons	911..1015, 934..1014, 1538..1765, 1546..1776, 1547..1768		

Seq. No.	23258	Seq. ID	OJ990825_01.9B16.C17
Gene No.	48401	Strand	-
Start	1	End	5787
Name	OJ990825_01.9B16.C17.o1.tc	Method	TBLASTX:Cress
Start	1516	End	1683
GI	none	Score	148
Exons	1516..1683, 1538..1678		

Seq. No.	23258	Seq. ID	OJ990825_01.9B16.C17
Gene No.	48401	Strand	-
Start	1	End	5787
Name	OJ990825_01.9B16.C17.o1.ts	Method	TBLASTX:Soybean
Start	1555	End	1776
GI	none	Score	144
Exons	1555..1677, 1556..1693, 1696..1776		

Seq. No.	23258	Seq. ID	OJ990825_01.9B16.C17
Gene No.	48401	Strand	-
Start	1	End	5787
Name	OJ990825_01.9B16.C17.o1.gs	Method	GENSCAN
Start	2096	End	5787
GI	none	Score	.69
Exons	2096..2116, 2745..2840, 3082..3161, 3530..3673, 5682..5787		

Seq. No.	23259	Seq. ID	OJ990825_01.9B16.C18
Gene No.	48402	Strand	-
Start	285	End	1454

Name	OJ990825_01.9B16.C18.o1.gs	Method	GENSCAN
Start	285	End	1454
GI	none	Score	.79
Exons	285..503, 1192..1276, 1339..1454		

Seq. No.	23259	Seq. ID	OJ990825_01.9B16.C18
Gene No.	48403	Strand	-
Start	2093	End	5505
Name	OJ990825_01.9B16.C18.o1.gp	Method	AAT/GAP
Start	2026	End	2449
GI	2311833	Score	793
Exons	2026..2449		

Seq. No.	23259	Seq. ID	OJ990825_01.9B16.C18
Gene No.	48403	Strand	-
Start	2093	End	5505
Name	OJ990825_01.9B16.C18.o2.gs	Method	GENSCAN
Start	2093	End	5505
GI	none	Score	.41
Exons	2093..2282, 2857..3223, 3463..3603, 5474..5505		

Seq. No.	23260	Seq. ID	OJ990825_01.9B16.C20
Gene No.	48404	Strand	+
Start	521	End	682
Name	OJ990825_01.9B16.C20.o1.gs	Method	GENSCAN
Start	521	End	682
GI	none	Score	.54
Exons	521..682		

Seq. No.	23261	Seq. ID	OJ990915_08.9B17.C1
Gene No.	48405	Strand	+
Start	487	End	2201
Name	OJ990915_08.9B17.C1.o1.gs	Method	GENSCAN
Start	487	End	1994
GI	none	Score	.9
Exons	487..618, 732..881, 1028..1714, 1821..1994		

Seq. No.	23261	Seq. ID	OJ990915_08.9B17.C1
Gene No.	48405	Strand	+
Start	487	End	2201
Name	OJ990915_08.9B17.C1.o1.gp	Method	AAT/GAP
Start	1429	End	2201
GI	none	Score	1030
Exons	1429..1714, 1821..1990, 2090..2201		

Seq. No.	23261	Seq. ID	OJ990915_08.9B17.C1
Gene No.	48406	Strand	-
Start	2772	End	2956
Name	OJ990915_08.9B17.C1.o1.tm	Method	TBLASTX:Maize
Start	1086	End	1436
GI	none	Score	35
Exons	1086..1139, 1100..1165, 1100..1153, 1107..1133, 1107..1133, 1142..1330, 1148..1333, 1150..1248, 1157..1333, 1169..1315, 1169..1330, 1170..1376, 1225..1320, 1315..1404, 1319..1432, 1321..1401, 1323..1436, 1331..1432		

Seq. No.	23261	Seq. ID	OJ990915_08.9B17.C1
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Gene No.	48406	Strand	-
Start	2772	End	2956
Name	OJ990915_08.9B17.C1.o2.gs	Method	GENSCAN
Start	2772	End	2956
GI	none	Score	.93
Exons	2772..2796, 2904..2956		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o1.gs	Method	GENSCAN
Start	227	End	10209
GI	none	Score	.68
Exons	227..287, 369..469, 552..621, 1649..1781, 2194..2265, 2494..2637, 3022..3092, 3201..3341, 3840..4181, 4391..4836, 5130..5317, 5415..5502, 5778..6130, 6342..6444, 6581..6620, 6826..6884, 7642..7753, 7844..7915, 8001..8088, 8511..8754, 9788..9903, 9993..10209		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o4.tm	Method	TBLASTX:Maize
Start	1417	End	1786
GI	none	Score	62
Exons	1417..1536, 1423..1536, 1427..1537, 1646..1786, 1648..1755		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o1.np	Method	AAT/NAP
Start	1507	End	5441
GI	5091623	Score	1276
Exons	1507..1600, 1646..1781, 2194..2265, 2494..2637, 2871..3128, 3201..3341, 3840..4181, 4442..4836, 5130..5441		
GI Descrip.	(AC007454) Similar to gb U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF 00560 Leucine Rich Repeat domains and a PF 00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o1.tm	Method	TBLASTX:Maize
Start	2492	End	5453
GI	none	Score	81
Exons	2492..2626, 2704..2787, 2708..2791, 2840..2932, 2872..2961, 2872..2937, 2874..2960, 3013..3093, 3017..3094, 3017..3094, 3024..3095, 3175..3342, 3200..3343, 3201..3344, 3838..4179, 3839..4180, 3842..4180, 4423..4617, 4440..4556, 4441..4629, 4589..4837, 4621..4794, 4623..4847, 5129..5188, 5130..5453, 5226..5294, 5381..5452		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o1.tc	Method	TBLASTX:Cress

Start	3816	End	4186
GI	none	Score	101
Exons	3816..4091, 3838..4110, 3839..4108, 4148..4186		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o1.ts	Method	TBLASTX:Soybean
Start	3835	End	4799
GI	none	Score	392
Exons	3835..4179, 3836..4180, 3842..4180, 4440..4799, 4441..4791		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o2.tc	Method	TBLASTX:Cress
Start	4411	End	4764
GI	none	Score	398
Exons	4411..4764, 4456..4764		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o1.tw	Method	TBLASTX:Wheat
Start	4462	End	4788
GI	none	Score	306
Exons	4462..4788, 4465..4776		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o3.tc	Method	TBLASTX:Cress
Start	5130	End	5444
GI	none	Score	304
Exons	5130..5444		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o3.tw	Method	TBLASTX:Wheat
Start	5130	End	5449
GI	none	Score	206
Exons	5130..5342, 5229..5297, 5381..5449		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o3.ts	Method	TBLASTX:Soybean
Start	5130	End	5459
GI	none	Score	281
Exons	5130..5459		

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o2.np	Method	AAT/NAP
Start	6213	End	10248

GI 1362162 Score 1047
 Exons 6213..6444, 6826..6884, 7678..7753, 7844..7915, 8001..8088, 8511..8754, 9788..9903, 9993..10248
 GI Descrip. beta-glucosidase BGQ60 precursor - barley gi|804656 (L41869)
 beta-glucosidase [Hordeum vulgare]

Seq. No. 23262 Seq. ID OJ990915_08.9B17.C2
 Gene No. 48407 Strand +
 Start 227 End 10248
 Name OJ990915_08.9B17.C2.o2.ts Method TBLASTX:Soybean
 Start 6309 End 10143
 GI none Score 189
 Exons 6309..6446, 6320..6445, 7675..7752, 7677..7751, 7843..7923, 7845..7922, 7993..8094, 8000..8089, 8518..8652, 8523..8645, 8664..8753, 8664..8756, 8665..8754, 9794..9913, 9796..9900, 9994..10143, 10002..10142

Seq. No. 23262 Seq. ID OJ990915_08.9B17.C2
 Gene No. 48407 Strand +
 Start 227 End 10248
 Name OJ990915_08.9B17.C2.o4.tc Method TBLASTX:Cress
 Start 6309 End 8694
 GI none Score 189
 Exons 6309..6476, 6320..6445, 6522..6569, 7675..7752, 7677..7751, 7842..7922, 7843..7923, 7999..8073, 8000..8089, 8518..8652, 8522..8665, 8523..8645, 8664..8693, 8665..8694

Seq. No. 23262 Seq. ID OJ990915_08.9B17.C2
 Gene No. 48407 Strand +
 Start 227 End 10248
 Name OJ990915_08.9B17.C2.o3.tm Method TBLASTX:Maize
 Start 6408 End 8661
 GI none Score 67
 Exons 6408..6446, 6410..6475, 6824..6886, 6828..6890, 6852..6884, 7675..7752, 7675..7749, 7676..7750, 7677..7751, 7842..7916, 7842..7922, 7843..7923, 7998..8087, 7999..8088, 7999..8088, 8000..8089, 8003..8092, 8515..8661, 8515..8658, 8517..8660

Seq. No. 23262 Seq. ID OJ990915_08.9B17.C2
 Gene No. 48407 Strand +
 Start 227 End 10248
 Name OJ990915_08.9B17.C2.o2.tw Method TBLASTX:Wheat
 Start 7701 End 8657
 GI none Score 52
 Exons 7701..7751, 7701..7751, 7702..7752, 7842..7916, 7842..7922, 7843..7923, 7999..8091, 8000..8086, 8000..8092, 8509..8655, 8515..8649, 8517..8657

Seq. No. 23262 Seq. ID OJ990915_08.9B17.C2
 Gene No. 48407 Strand +
 Start 227 End 10248
 Name OJ990915_08.9B17.C2.o2.tm Method TBLASTX:Maize
 Start 8661 End 10205
 GI none Score 142
 Exons 8661..8753, 8662..8754, 8663..8761, 9785..9841, 9787..9903, 9788..9904, 9991..10047, 9992..10141, 9992..10141, 9993..10142, 9994..10155, 10002..10145, 10105..10167, 10146..10205

Seq. No.	23262	Seq. ID	OJ990915_08.9B17.C2
Gene No.	48407	Strand	+
Start	227	End	10248
Name	OJ990915_08.9B17.C2.o5.tc	Method	TBLASTX:Cress
Start	9784	End	10143
GI	none	Score	117
Exons	9784..9900, 9785..9913, 9991..10047, 9994..10143		

Seq. No.	23263	Seq. ID	OJ990915_08.9B17.C3
Gene No.	48408	Strand	+
Start	1	End	1109
Name	OJ990915_08.9B17.C3.o1.np	Method	AAT/NAP
Start	1	End	922
GI	1143864	Score	725
Exons	1..239, 335..366, 475..577, 657..922		
GI Descrip.	(U28047) beta glucosidase [Oryza sativa]		

Seq. No.	23263	Seq. ID	OJ990915_08.9B17.C3
Gene No.	48408	Strand	+
Start	1	End	1109
Name	OJ990915_08.9B17.C3.o1.tm	Method	TBLASTX:Maize
Start	22	End	919
GI	none	Score	265
Exons	22..228, 23..238, 339..368, 471..581, 472..579, 472..582, 655..915, 656..919		

Seq. No.	23263	Seq. ID	OJ990915_08.9B17.C3
Gene No.	48408	Strand	+
Start	1	End	1109
Name	OJ990915_08.9B17.C3.o1.ts	Method	TBLASTX:Soybean
Start	22	End	916
GI	none	Score	190
Exons	22..177, 23..235, 328..360, 342..359, 472..579, 474..581, 478..582, 655..906, 656..916, 681..908		

Seq. No.	23263	Seq. ID	OJ990915_08.9B17.C3
Gene No.	48408	Strand	+
Start	1	End	1109
Name	OJ990915_08.9B17.C3.o1.tc	Method	TBLASTX:Cress
Start	23	End	919
GI	none	Score	164
Exons	23..178, 472..579, 480..581, 644..859, 655..906, 656..919		

Seq. No.	23263	Seq. ID	OJ990915_08.9B17.C3
Gene No.	48408	Strand	+
Start	1	End	1109
Name	OJ990915_08.9B17.C3.o1.tw	Method	TBLASTX:Wheat
Start	510	End	936
GI	none	Score	68
Exons	510..575, 510..581, 511..579, 655..936, 656..922		

Seq. No.	23263	Seq. ID	OJ990915_08.9B17.C3
Gene No.	48408	Strand	+
Start	1	End	1109
Name	OJ990915_08.9B17.C3.o1.gs	Method	GENSCAN
Start	647	End	1109

GI none
Exons 647..1016, 1096..1109

Score .41

Seq. No. 23264
Gene No. 48409
Start 1106
Name OJ990915_08.9B17.C4.o1.gs
Start 1106
GI none
Exons 1106..1209

Seq. ID OJ990915_08.9B17.C4
Strand +
End 1209
Method GENSCAN
End 1209
Score .49

Seq. No. 23264
Gene No. 48410
Start 3354
Name OJ990915_08.9B17.C4.o1.gp
Start 3213
GI 346 1.R1084
Exons 3213..3591, 4478..4536, 5295..5370, 5476..5547, 5667..5754, 6126..6369, 6623..6738, 6878..7095, 7188..7219, 7353..7455, 7568..8130

Seq. ID OJ990915_08.9B17.C4
Strand +
End 8130
Method AAT/GAP
End 8130
Score 3653

GI Descrip. '1143864 0.0e+00 (U28047) beta glucosidase [Oryza sativa]'

Seq. No. 23264
Gene No. 48410
Start 3354
Name OJ990915_08.9B17.C4.o2.gs
Start 3354
GI none
Exons 3354..3591, 4478..4536, 4719..4818, 5476..5547, 5667..5754, 6126..6369, 6623..6738, 6878..7095, 7188..7219, 7353..7455, 7568..7836

Seq. ID OJ990915_08.9B17.C4
Strand +
End 8130
Method GENSCAN
End 7836
Score .82

Seq. No. 23264
Gene No. 48410
Start 3354
Name OJ990915_08.9B17.C4.o1.np
Start 6121
GI 1143864
Exons 6121..6369, 6623..6738, 6878..7095, 7188..7219, 7353..7455, 7568..7833

Seq. ID OJ990915_08.9B17.C4
Strand +
End 8130
Method AAT/NAP
End 7833
Score 1618

GI Descrip. (U28047) beta glucosidase [Oryza sativa]

Seq. No. 23264
Gene No. 48411
Start 8436
Name OJ990915_08.9B17.C4.o3.gs
Start 8436
GI none
Exons 8436..9089

Seq. ID OJ990915_08.9B17.C4
Strand +
End 9089
Method GENSCAN
End 9089
Score .99

Seq. No. 23264
Gene No. 48412
Start 12119
Name OJ990915_08.9B17.C4.o3.np
Start 11983
GI 6063539
Exons 11983..12144, 12181..12295

Seq. ID OJ990915_08.9B17.C4
Strand +
End 14775
Method AAT/NAP
End 12295
Score 139

GI Descrip. (AP000615) hypothetical protein [Oryza sativa]

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48412	Strand	+
Start	12119	End	14775
Name	OJ990915_08.9B17.C4.o5.gs	Method	GENSCAN
Start	12119	End	14775
GI	none	Score	.55
Exons	12119..12306, 13042..13181, 14343..14449, 14743..14775		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48413	Strand	+
Start	22033	End	29000
Name	OJ990915_08.9B17.C4.o7.gs	Method	GENSCAN
Start	22033	End	26297
GI	none	Score	.82
Exons	22033..22103, 22867..22971, 23224..23434, 23585..23784, 23807..23834, 25868..25942, 26229..26297		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48413	Strand	+
Start	22033	End	29000
Name	OJ990915_08.9B17.C4.o5.np	Method	AAT/NAP
Start	24172	End	29000
GI	2950395	Score	144
Exons	24172..24195, 25645..25773, 25868..25942, 28953..29000		
GI Descrip.	(AJ224847) oxidoreductase [Zea mays]		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48414	Strand	+
Start	30242	End	31487
Name	OJ990915_08.9B17.C4.o7.np	Method	AAT/NAP
Start	30242	End	31487
GI	6721543	Score	74
Exons	30242..30372, 31023..31076, 31467..31487		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48415	Strand	+
Start	32685	End	36593
Name	OJ990915_08.9B17.C4.o9.np	Method	AAT/NAP
Start	32685	End	36593
GI	5441880	Score	1606
Exons	32685..33696, 34145..34176, 34435..34803, 36387..36593		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48416	Strand	-
Start	9391	End	10704
Name	OJ990915_08.9B17.C4.o4.gs	Method	GENSCAN
Start	9391	End	10704
GI	none	Score	.94
Exons	9391..10704		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
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Gene No. 48416 Strand -
 Start 9391 End 10704
 Name OJ990915_08.9B17.C4.o2.np Method AAT/NAP
 Start 9394 End 10701
 GI 549010 Score 2035
 Exons 9394..10701
 GI Descrip. EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1)
 (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG)
 gi|322554|pir||S31328 omnipotent suppressor protein SUP1 homolog
 (clone G18) - Arabidopsis thaliana gi|16514|emb|CAA49172|
 (X69375) similar to yeast omnipotent suppressor protein SUP1
 (SUP45) [Arabidopsis thaliana] gi|1402882|emb|CAA66813| (X98130)
 euka

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48416 Strand -
 Start 9391 End 10704
 Name OJ990915_08.9B17.C4.o2.gp Method AAT/GAP
 Start 9499 End 9742
 GI 2797442 Score 459
 Exons 9499..9742
 GI Descrip. 322525/pir||S31445 9.0e-31 omnipotent suppressor protein SUP1
 homolog (clone A18) - Arabidopsis thaliana (fragment)
 >gi_16512_emb_CAA49171_ (X69374) similar to yeast omnipotent
 suppressor protein SUP1 (SUP45); ORF [Arabidopsis thaliana]

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48417 Strand -
 Start 14540 End 14978
 Name OJ990915_08.9B17.C4.o3.gp Method AAT/GAP
 Start 14540 End 14978
 GI 5002818 Score 850
 Exons 14540..14978

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48418 Strand -
 Start 14935 End 19197
 Name OJ990915_08.9B17.C4.o6.gs Method GENSCAN
 Start 14935 End 19123
 GI none Score .78
 Exons 14935..15111, 15651..15745, 15984..16115, 17294..17355,
 18010..18060, 18131..18162, 18410..18517, 19037..19123

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48418 Strand -
 Start 14935 End 19197
 Name OJ990915_08.9B17.C4.o4.np Method AAT/NAP
 Start 14938 End 19129
 GI 5733885 Score 1144
 Exons 14938..15069, 15651..15745, 15984..16249, 16959..17220,
 17294..17355, 18010..18149, 18407..18517, 19037..19129
 GI Descrip. (AC007932) ESTs gb|H37217 and gb|T22141 come from this gene.
 [Arabidopsis thaliana]

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48418 Strand -
 Start 14935 End 19197

Name OJ990915_08.9B17.C4.o4.gp Method AAT/GAP
 Start 15668 End 19197
 GI 97396_1.R1084 Score 1802
 Exons 15668..15745, 15984..16249, 16959..17220, 17294..17355,
 18010..18060, 18131..18162, 18410..18517, 19037..19197
 GI Descrip. '5733885/gb|AAD49773.1|AC007932_21 1.0e-101 (AC007932) ESTs
 gb_H37217 and gb_T22141 come from this gene. [Arabidopsis
 thaliana]'

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48419 Strand -
 Start 27308 End 28735
 Name OJ990915_08.9B17.C4.o8.gs Method GENSCAN
 Start 27308 End 28726
 GI none Score 1
 Exons 27308..28726

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48419 Strand -
 Start 27308 End 28735
 Name OJ990915_08.9B17.C4.o6.np Method AAT/NAP
 Start 27344 End 28735
 GI 4314356 Score 702
 Exons 27344..28735
 GI Descrip. (AC006340) putative anthocyanidin-3-glucoside
 rhamnosyltransferase [Arabidopsis thaliana]

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48420 Strand -
 Start 30604 End 31057
 Name OJ990915_08.9B17.C4.o5.gp Method AAT/GAP
 Start 30604 End 31057
 GI LIB3431-045-P1-N1-A10 Score 852
 Exons 30604..31057
 GI Descrip. '5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic
 DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48421 Strand -
 Start 31161 End 31332
 Name OJ990915_08.9B17.C4.o2.tm Method TBLASTX:Maize
 Start 3447 End 7833
 GI none Score 227
 Exons 3447..3584, 3449..3601, 3450..3602, 4476..4544, 4477..4536,
 5292..5369, 5292..5366, 5293..5373, 5294..5368, 5466..5549,
 5474..5551, 5475..5555, 5660..5755, 5665..5754, 6126..6368,
 6127..6369, 6566..6739, 6613..6738, 6614..6739, 6621..6749,
 6879..7094, 6884..7084, 7189..7218, 7190..7249, 7348..7455,
 7349..7459, 7350..7466, 7546..7824, 7566..7826, 7567..7833

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
 Gene No. 48421 Strand -
 Start 31161 End 31332
 Name OJ990915_08.9B17.C4.o5.tc Method TBLASTX:Cress
 Start 3458 End 6309
 GI none Score 185
 Exons 3458..3604, 3459..3602, 4477..4536, 5292..5369, 5292..5366,

5294..5368, 5466..5549, 5474..5551, 5660..5752, 5665..5739,
6133..6267, 6144..6266, 6279..6308, 6280..6309

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o5.ts	Method	TBLASTX:Soybean
Start	3458	End	7249
GI	none	Score	179
Exons	3458..3607, 3459..3602, 4477..4536, 5292..5369, 5294..5368, 5295..5369, 5296..5373, 5306..5374, 5466..5549, 5474..5578, 5477..5551, 5499..5555, 5660..5752, 5664..5726, 5665..5760, 6133..6267, 6144..6266, 6279..6356, 6279..6365, 6280..6369, 6629..6748, 6879..7091, 6887..7030, 6899..7096, 7184..7249		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o5.tw	Method	TBLASTX:Wheat
Start	5318	End	6272
GI	none	Score	78
Exons	5318..5368, 5319..5369, 5319..5369, 5320..5373, 5466..5549, 5470..5532, 5474..5548, 5475..5555, 5660..5734, 5662..5751, 5665..5757, 5666..5755, 5670..5756, 6127..6270, 6132..6272, 6132..6272		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o2.tc	Method	TBLASTX:Cress
Start	6620	End	7829
GI	none	Score	100
Exons	6620..6748, 6834..7028, 6879..7028, 6887..7045, 7350..7466, 7356..7457, 7546..7824, 7566..7829		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o2.ts	Method	TBLASTX:Soybean
Start	7367	End	7824
GI	none	Score	113
Exons	7367..7459, 7368..7460, 7566..7817, 7567..7824		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o2.tw	Method	TBLASTX:Wheat
Start	7388	End	7826
GI	none	Score	111
Exons	7388..7459, 7389..7466, 7527..7826, 7528..7824, 7554..7826		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o1.ts	Method	TBLASTX:Soybean
Start	9369	End	10708
GI	none	Score	195

Exons 9369..10043, 9391..10704, 9393..9674, 9397..10704, 9491..10708

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
Gene No. 48421 Strand -
Start 31161 End 31332
Name OJ990915_08.9B17.C4.o1.tm Method TBLASTX:Maize
Start 9385 End 10734
GI none Score 409
Exons 9385..10734, 9387..9818, 9491..10726

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
Gene No. 48421 Strand -
Start 31161 End 31332
Name OJ990915_08.9B17.C4.o1.tc Method TBLASTX:Cress
Start 9415 End 10692
GI none Score 117
Exons 9415..10692, 9417..9638, 9491..10690

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
Gene No. 48421 Strand -
Start 31161 End 31332
Name OJ990915_08.9B17.C4.o4.tw Method TBLASTX:Wheat
Start 9418 End 9621
GI none Score 98
Exons 9418..9621, 9423..9599, 9494..9610

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
Gene No. 48421 Strand -
Start 31161 End 31332
Name OJ990915_08.9B17.C4.o1.tw Method TBLASTX:Wheat
Start 9779 End 10231
GI none Score 637
Exons 9779..10222, 9780..10220, 9781..10230, 9992..10231

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
Gene No. 48421 Strand -
Start 31161 End 31332
Name OJ990915_08.9B17.C4.o4.tc Method TBLASTX:Cress
Start 15649 End 16198
GI none Score 73
Exons 15649..15747, 15651..15728, 15985..16197, 15989..16198

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
Gene No. 48421 Strand -
Start 31161 End 31332
Name OJ990915_08.9B17.C4.o4.ts Method TBLASTX:Soybean
Start 15649 End 17176
GI none Score 78
Exons 15649..15747, 15651..15728, 15998..16255, 16000..16233,
16103..16261, 16955..17176, 16959..17171, 16960..17175

Seq. No. 23264 Seq. ID OJ990915_08.9B17.C4
Gene No. 48421 Strand -
Start 31161 End 31332
Name OJ990915_08.9B17.C4.o6.tm Method TBLASTX:Maize
Start 16018 End 18547
GI none Score 80

Exons 16018..16197, 16043..16147, 16952..17221, 17295..17348,
18407..18547

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o3.ts	Method	TBLASTX:Soybean
Start	27410	End	28369
GI	none	Score	90
Exons	27410..27760, 27503..27763, 27507..27779, 27794..27937, 27986..28087, 28295..28369		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o5.tm	Method	TBLASTX:Maize
Start	27445	End	27940
GI	none	Score	102
Exons	27445..27468, 27557..27778, 27561..27779, 27785..27940, 27788..27931		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o3.tc	Method	TBLASTX:Cress
Start	27509	End	27961
GI	none	Score	104
Exons	27509..27778, 27594..27779, 27779..27961		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o6.tw	Method	TBLASTX:Wheat
Start	27695	End	27937
GI	none	Score	61
Exons	27695..27763, 27702..27761, 27753..27932, 27776..27937, 27782..27937		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o6.ts	Method	TBLASTX:Soybean
Start	28388	End	28711
GI	none	Score	251
Exons	28388..28711		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-
Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o4.tm	Method	TBLASTX:Maize
Start	28400	End	28708
GI	none	Score	61
Exons	28400..28537, 28445..28534, 28547..28708, 28556..28702, 28581..28703		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48421	Strand	-

Start	31161	End	31332
Name	OJ990915_08.9B17.C4.o8.np	Method	AAT/NAP
Start	31161	End	31332
GI	5441880	Score	246
Exons	31161..31332		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48422	Strand	
Start	33252	End	33927
Name	OJ990915_08.9B17.C4.o3.tm	Method	TBLASTX:Maize
Start	33252	End	33730
GI	none	Score	362
Exons	33252..33719, 33257..33730		

Seq. No.	23264	Seq. ID	OJ990915_08.9B17.C4
Gene No.	48422	Strand	
Start	33252	End	33927
Name	OJ990915_08.9B17.C4.o3.tw	Method	TBLASTX:Wheat
Start	33546	End	33927
GI	none	Score	194
Exons	33546..33695, 33548..33700, 33549..33725, 33749..33811, 33750..33818, 33808..33927		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48423	Strand	+
Start	1	End	8989
Name	OJ990915_08.9B17.C6.o1.np	Method	AAT/NAP
Start	1	End	554
GI	5441880	Score	376
Exons	1..188, 293..554		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48423	Strand	+
Start	1	End	8989
Name	OJ990915_08.9B17.C6.o1.gs	Method	GENSCAN
Start	73	End	8989
GI	none	Score	.71
Exons	73..188, 293..554, 1903..1929, 2455..2491, 2604..2645, 2669..2857, 2944..3102, 3244..3353, 3434..3732, 3837..4098, 4191..4385, 4408..4446, 4562..4584, 4641..4924, 4988..5205, 5630..5806, 5873..5950, 6589..6726, 8081..8146, 8258..8444, 8976..8989		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48423	Strand	+
Start	1	End	8989
Name	OJ990915_08.9B17.C6.o2.np	Method	AAT/NAP
Start	2389	End	5874
GI	5441880	Score	808
Exons	2389..2857, 3434..3732, 3837..4098, 5852..5874		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein.
(AC003981) [Oryza sativa]

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48423	Strand	+
Start	1	End	8989
Name	OJ990915_08.9B17.C6.o1.gp	Method	AAT/GAP
Start	4346	End	4776
GI	LIB3433-020-P1-K1-A6	Score	698
Exons	4346..4776		
GI Descrip.	'5670155/gb AF161269.1 AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48424	Strand	+
Start	10066	End	12540
Name	OJ990915_08.9B17.C6.o2.gs	Method	GENSCAN
Start	10066	End	12540
GI	none	Score	.74
Exons	10066..10443, 10595..11491, 11578..12540		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48424	Strand	+
Start	10066	End	12540
Name	OJ990915_08.9B17.C6.o3.np	Method	AAT/NAP
Start	11069	End	12534
GI	4314356	Score	619
Exons	11069..11510, 11578..12534		
GI Descrip.	(AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48425	Strand	+
Start	13254	End	19720
Name	OJ990915_08.9B17.C6.o3.gs	Method	GENSCAN
Start	13254	End	19699
GI	none	Score	.73
Exons	13254..13301, 14499..14784, 14877..15304, 15661..15770, 15972..16143, 16219..16317, 16775..16891, 17155..17226, 17867..17950, 18058..18098, 18469..18553, 19325..19699		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48425	Strand	+
Start	13254	End	19720
Name	OJ990915_08.9B17.C6.o2.gp	Method	AAT/GAP
Start	16004	End	16788
GI	25520_1.R1084	Score	952
Exons	16004..16143, 16219..16317, 16405..16464, 16568..16788		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48425	Strand	+
Start	13254	End	19720
Name	OJ990915_08.9B17.C6.o4.np	Method	AAT/NAP
Start	16066	End	19720
GI	5103819	Score	541

Exons 16066..16143, 16219..16335, 16417..16482, 16568..16708,
16772..16891, 17155..17226, 17867..17963, 18465..18553,
19325..19720
GI Descrip. (AC007591) EST gb|H77143 comes from this gene. [Arabidopsis
thaliana]

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48425	Strand	+
Start	13254	End	19720
Name	OJ990915_08.9B17.C6.o3.gp	Method	AAT/GAP
Start	17152	End	18595
GI	3762337	Score	512
Exons	17152..17226, 17867..17950, 18058..18158, 18469..18595		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48426	Strand	+
Start	21293	End	21410
Name	OJ990915_08.9B17.C6.o5.gp	Method	AAT/GAP
Start	21293	End	21410
GI	LIB3433-040-P1-K1-F7	Score	204
Exons	21293..21410		
GI Descrip.	'5777366/emb CAB53377.1 5.0e-37 (AJ009782) phosphatidylinositol-4-phosphate 5-kinase.[Arabidopsis thaliana]'		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o4.tm	Method	TBLASTX:Maize
Start	3125	End	11413
GI	none	Score	106
Exons	3125..3187, 3250..3312, 10066..10140, 10074..10139, 10119..10262, 10144..10203, 10200..10283, 10222..10314, 10306..10368, 11108..11230, 11116..11220, 11126..11224, 11300..11359, 11351..11413		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o1.tw	Method	TBLASTX:Wheat
Start	11800	End	12180
GI	none	Score	59
Exons	11800..11901, 11941..12093, 11944..12072, 12099..12173, 12112..12180		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o1.tc	Method	TBLASTX:Cress
Start	11917	End	12318
GI	none	Score	142
Exons	11917..12105, 12111..12281, 12112..12318		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o1.ts	Method	TBLASTX:Soybean

Start	11923	End	12318
GI	none	Score	163
Exons	11923..12132, 12111..12308, 12112..12318		
Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o3.tm	Method	TBLASTX:Maize
Start	11935	End	15109
GI	none	Score	161
Exons	11935..12090, 11941..12090, 12111..12281, 12112..12318, 12373..12465, 14892..14966, 14979..15026, 15026..15109		
Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o3.ts	Method	TBLASTX:Soybean
Start	16781	End	19552
GI	none	Score	98
Exons	16781..16876, 17149..17211, 18061..18159, 18077..18160, 18112..18162, 18476..18559, 19282..19458, 19322..19480, 19457..19552		
Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o2.tm	Method	TBLASTX:Maize
Start	16782	End	19670
GI	none	Score	112
Exons	16782..16892, 16782..16904, 16787..16924, 16790..16915, 17149..17226, 17152..17226, 17154..17228, 17154..17243, 18022..18159, 18056..18160, 18068..18163, 18466..18558, 18467..18559, 18468..18560, 18476..18559, 19315..19530, 19322..19549, 19322..19549, 19404..19559, 19542..19670, 19593..19661, 19595..19666		
Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o3.tc	Method	TBLASTX:Cress
Start	18112	End	19549
GI	none	Score	73
Exons	18112..18168, 18476..18559, 19322..19459, 19327..19446, 19460..19549, 19481..19531		
Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o4.gp	Method	AAT/GAP
Start	20014	End	21287
GI	66875_1.R1084	Score	999
Exons	20014..20488, 21233..21287		
GI Descrip.	'5777366/emb CAB53377.1 8.0e-30 (AJ009782) phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]'		
Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6

Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o1.tm	Method	TBLASTX:Maize
Start	20190	End	21400
GI	none	Score	219
Exons	20190..20489, 20209..20490, 20209..20490, 21232..21345, 21232..21378, 21344..21400		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o4.gs	Method	GENSCAN
Start	20209	End	21294
GI	none	Score	.98
Exons	20209..20488, 21233..21294		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o2.ts	Method	TBLASTX:Soybean
Start	20212	End	21321
GI	none	Score	124
Exons	20212..20397, 20213..20374, 20416..20490, 21232..21321		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o5.np	Method	AAT/NAP
Start	20212	End	21552
GI	6751681	Score	313
Exons	20212..20488, 21233..21397, 21516..21552		
GI Descrip.	(AC018908) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]		

Seq. No.	23265	Seq. ID	OJ990915_08.9B17.C6
Gene No.	48427	Strand	-
Start	20014	End	21552
Name	OJ990915_08.9B17.C6.o2.tc	Method	TBLASTX:Cress
Start	20215	End	20469
GI	none	Score	124
Exons	20215..20469, 20219..20377, 20224..20469		

Seq. No.	23266	Seq. ID	OJ990915_08.9B17.C7
Gene No.	48428	Strand	+
Start	1	End	268
Name	OJ990915_08.9B17.C7.o1.gp	Method	AAT/GAP
Start	1	End	268
GI	LIB3433-040-P1-K1-F7	Score	295
Exons	1..40, 88..268		
GI Descrip.	'5777366/emb CAB53377.1 5.0e-37 (AJ009782) phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]'		

Seq. No.	23266	Seq. ID	OJ990915_08.9B17.C7
Gene No.	48429	Strand	-
Start	1	End	4071
Name	OJ990915_08.9B17.C7.o1.np	Method	AAT/NAP

Start 1 End 2973
 GI 5777366 Score 1451
 Exons 1..294, 382..492, 669..834, 1169..1336, 1907..2221, 2252..2973
 GI Descrip. (AJ009782) phosphatidylinositol-4-phosphate 5-kinase
 [Arabidopsis thaliana]

Seq. No. 23266 Seq. ID OJ990915_08.9B17.C7
 Gene No. 48429 Strand -
 Start 1 End 4071
 Name OJ990915_08.9B17.C7.o2.ts Method TBLASTX:Soybean
 Start 80 End 498
 GI none Score 116
 Exons 80..301, 100..291, 265..303, 373..498, 384..479, 401..481

Seq. No. 23266 Seq. ID OJ990915_08.9B17.C7
 Gene No. 48429 Strand -
 Start 1 End 4071
 Name OJ990915_08.9B17.C7.o1.tc Method TBLASTX:Cress
 Start 100 End 2946
 GI none Score 104
 Exons 100..189, 142..291, 373..498, 666..836, 667..786, 1168..1305,
 1175..1303, 1906..1986, 2389..2769, 2398..2826, 2399..2551,
 2402..2650, 2405..2734, 2405..2635, 2428..2895, 2438..2749,
 2500..2940, 2554..2943, 2569..2673, 2569..2895, 2764..2805,
 2782..2883, 2867..2941, 2896..2946, 2900..2944

Seq. No. 23266 Seq. ID OJ990915_08.9B17.C7
 Gene No. 48429 Strand -
 Start 1 End 4071
 Name OJ990915_08.9B17.C7.o2.tm Method TBLASTX:Maize
 Start 112 End 1939
 GI none Score 250
 Exons 112..294, 114..296, 114..296, 232..309, 369..476, 373..498,
 380..514, 665..835, 665..835, 666..836, 666..836, 670..840,
 1166..1339, 1167..1292, 1168..1338, 1169..1354, 1904..1939

Seq. No. 23266 Seq. ID OJ990915_08.9B17.C7
 Gene No. 48429 Strand -
 Start 1 End 4071
 Name OJ990915_08.9B17.C7.o1.gs Method GENSCAN
 Start 243 End 4071
 GI none Score .75
 Exons 243..294, 382..492, 669..834, 1169..1336, 1907..2956,
 3090..3448, 3686..3778, 3947..4071

Seq. No. 23266 Seq. ID OJ990915_08.9B17.C7
 Gene No. 48429 Strand -
 Start 1 End 4071
 Name OJ990915_08.9B17.C7.o3.ts Method TBLASTX:Soybean
 Start 666 End 1302
 GI none Score 110
 Exons 666..836, 667..837, 1166..1285, 1168..1302

Seq. No. 23266 Seq. ID OJ990915_08.9B17.C7
 Gene No. 48429 Strand -
 Start 1 End 4071
 Name OJ990915_08.9B17.C7.o2.gp Method AAT/GAP

Start	2178	End	2649
GI	LIB3432-056-P1-K1-E4	Score	868
Exons	2178..2649		
GI Descrip.	'322525/pir S31445 9.0e-31 omnipotent suppressor protein SUP1 homolog (clone A18) - Arabidopsis thaliana (fragment) >gi_16512_emb_CAA49171_ (X69374) similar to yeast omnipotent suppressor protein SUP1 (SUP45); ORF [Arabidopsis thaliana]'		

Seq. No.	23266	Seq. ID	OJ990915_08.9B17.C7
Gene No.	48429	Strand	-
Start	1	End	4071
Name	OJ990915_08.9B17.C7.o1.tm	Method	TBLASTX:Maize
Start	2238	End	2949
GI	none	Score	610
Exons	2238..2846, 2254..2847, 2261..2749, 2359..2847, 2473..2895, 2539..2943, 2605..2940, 2672..2848, 2743..2949, 2803..2940, 2826..2882, 2867..2935		

Seq. No.	23266	Seq. ID	OJ990915_08.9B17.C7
Gene No.	48429	Strand	-
Start	1	End	4071
Name	OJ990915_08.9B17.C7.o1.ts	Method	TBLASTX:Soybean
Start	2377	End	2943
GI	none	Score	75
Exons	2377..2544, 2398..2613, 2398..2502, 2401..2802, 2402..2650, 2404..2685, 2473..2889, 2474..2614, 2542..2940, 2543..2719, 2543..2689, 2554..2808, 2677..2943		

Seq. No.	23266	Seq. ID	OJ990915_08.9B17.C7
Gene No.	48429	Strand	-
Start	1	End	4071
Name	OJ990915_08.9B17.C7.o1.tw	Method	TBLASTX:Wheat
Start	2398	End	2949
GI	none	Score	128
Exons	2398..2760, 2399..2734, 2405..2623, 2407..2826, 2479..2895, 2480..2749, 2482..2883, 2548..2949, 2748..2885		

Seq. No.	23267	Seq. ID	OJ990915_08.9B17.C8
Gene No.	48430	Strand	+
Start	2840	End	3220
Name	OJ990915_08.9B17.C8.o1.gs	Method	GENSCAN
Start	2840	End	3220
GI	none	Score	.91
Exons	2840..3220		

Seq. No.	23268	Seq. ID	OJ990915_08.9B17.C9
Gene No.	48431	Strand	+
Start	401	End	2803
Name	OJ990915_08.9B17.C9.o1.gs	Method	GENSCAN
Start	401	End	1799
GI	none	Score	.63
Exons	401..554, 938..1001, 1429..1465, 1553..1799		

Seq. No.	23268	Seq. ID	OJ990915_08.9B17.C9
Gene No.	48431	Strand	+
Start	401	End	2803
Name	OJ990915_08.9B17.C9.o1.gp	Method	AAT/GAP

Start	1386	End	2803
GI	767_1.R1084	Score	1984
Exons	1386..2373, 2745..2803		
GI Descrip.	'2281705 0.0e+00 (AF013979) ethylene responsive factor [Oryza sativa]'		

Seq. No.	23268	Seq. ID	OJ990915_08.9B17.C9
Gene No.	48431	Strand	+
Start	401	End	2803
Name	OJ990915_08.9B17.C9.o2.tm	Method	TBLASTX:Maize
Start	1450	End	1752
GI	none	Score	503
Exons	1450..1752, 1450..1743, 1467..1751		

Seq. No.	23268	Seq. ID	OJ990915_08.9B17.C9
Gene No.	48431	Strand	+
Start	401	End	2803
Name	OJ990915_08.9B17.C9.o1.np	Method	AAT/NAP
Start	1468	End	2803
GI	2281705	Score	1543
Exons	1468..2373, 2745..2803		
GI Descrip.	(AF013979) ethylene responsive factor [Oryza sativa]		

Seq. No.	23268	Seq. ID	OJ990915_08.9B17.C9
Gene No.	48431	Strand	+
Start	401	End	2803
Name	OJ990915_08.9B17.C9.o1.ts	Method	TBLASTX:Soybean
Start	1468	End	2801
GI	none	Score	886
Exons	1468..2097, 1507..2079, 1515..2087, 2075..2251, 2102..2233, 2233..2373, 2241..2330, 2242..2379, 2738..2800, 2742..2801		

Seq. No.	23268	Seq. ID	OJ990915_08.9B17.C9
Gene No.	48431	Strand	+
Start	401	End	2803
Name	OJ990915_08.9B17.C9.o1.tc	Method	TBLASTX:Cress
Start	1468	End	2140
GI	none	Score	799
Exons	1468..2079, 1507..2058, 1524..2078, 1589..2140		

Seq. No.	23268	Seq. ID	OJ990915_08.9B17.C9
Gene No.	48431	Strand	+
Start	401	End	2803
Name	OJ990915_08.9B17.C9.o1.tm	Method	TBLASTX:Maize
Start	1752	End	2803
GI	none	Score	497
Exons	1752..2099, 1753..2100, 1753..2100, 1754..2101, 1919..2104, 2066..2251, 2099..2230, 2100..2231, 2233..2373, 2237..2344, 2242..2379, 2738..2803, 2742..2801		

Seq. No.	23268	Seq. ID	OJ990915_08.9B17.C9
Gene No.	48431	Strand	+
Start	401	End	2803
Name	OJ990915_08.9B17.C9.o1.tw	Method	TBLASTX:Wheat
Start	1858	End	2248
GI	none	Score	314
Exons	1858..2100, 1858..2016, 1860..2099, 2078..2248, 2099..2224		

Seq. No.	23268	Seq. ID	OJ990915_08.9B17.C9
Gene No.	48431	Strand	+
Start	401	End	2803
Name	OJ990915_08.9B17.C9.o2.tc	Method	TBLASTX:Cress
Start	2143	End	2364
GI	none	Score	114
Exons	2143..2193, 2144..2251, 2235..2330, 2242..2331, 2242..2364		
Seq. No.	23269	Seq. ID	OJ990915_08.9B17.C10
Gene No.	48432	Strand	-
Start	223	End	296
Name	OJ990915_08.9B17.C10.o1.gs	Method	GENSCAN
Start	223	End	296
GI	none	Score	.64
Exons	223..296		
Seq. No.	23270	Seq. ID	OJ990915_08.9B17.C12
Gene No.	48433	Strand	+
Start	1409	End	1897
Name	OJ990915_08.9B17.C12.o1.gp	Method	AAT/GAP
Start	1409	End	1897
GI	none	Score	954
Exons	1409..1897		
Seq. No.	23270	Seq. ID	OJ990915_08.9B17.C12
Gene No.	48434	Strand	-
Start	1645	End	2484
Name	OJ990915_08.9B17.C12.o1.gs	Method	GENSCAN
Start	1645	End	2484
GI	none	Score	1
Exons	1645..2484		
Seq. No.	23270	Seq. ID	OJ990915_08.9B17.C12
Gene No.	48434	Strand	-
Start	1645	End	2484
Name	OJ990915_08.9B17.C12.o1.np	Method	AAT/NAP
Start	1658	End	2478
GI	6437542	Score	629
Exons	1658..2478		
GI Descrip.	(AC011623) unknown protein [Arabidopsis thaliana]		
Seq. No.	23270	Seq. ID	OJ990915_08.9B17.C12
Gene No.	48434	Strand	-
Start	1645	End	2484
Name	OJ990915_08.9B17.C12.o1.tc	Method	TBLASTX:Cress
Start	1708	End	2442
GI	none	Score	45
Exons	1708..1884, 1736..1876, 1891..2037, 1925..2038, 2080..2142, 2102..2140, 2210..2437, 2290..2442		
Seq. No.	23270	Seq. ID	OJ990915_08.9B17.C12
Gene No.	48434	Strand	-
Start	1645	End	2484
Name	OJ990915_08.9B17.C12.o1.tm	Method	TBLASTX:Maize
Start	1708	End	2143
GI	none	Score	143

Exons 1708..2142, 1736..1876, 1925..2143

Seq. No.	23270	Seq. ID	OJ990915_08.9B17.C12
Gene No.	48435	Strand	
Start	6241	End	7525
Name	OJ990915_08.9B17.C12.o2.tm	Method	TBLASTX:Maize
Start	6241	End	7525
GI	none	Score	106
Exons	6241..6321, 6248..6322, 6602..6727, 6603..6725, 6611..6730, 7296..7367, 7307..7345, 7317..7523, 7418..7525, 7419..7514, 7427..7525		

Seq. No.	23270	Seq. ID	OJ990915_08.9B17.C12
Gene No.	48436	Strand	
Start	8207	End	8461
Name	OJ990915_08.9B17.C12.o3.tm	Method	TBLASTX:Maize
Start	8207	End	8461
GI	none	Score	114
Exons	8207..8302, 8328..8459, 8330..8461		

Seq. No.	23271	Seq. ID	OJ990915_08.9B17.C13
Gene No.	48437	Strand	-
Start	1	End	628
Name	OJ990915_08.9B17.C13.o1.gp	Method	AAT/GAP
Start	1	End	531
GI	767_1.R1084	Score	721
Exons	1..258, 397..531		
GI Descrip.	'2281705 0.0e+00 (AF013979) ethylene responsive factor [Oryza sativa]'		

Seq. No.	23271	Seq. ID	OJ990915_08.9B17.C13
Gene No.	48437	Strand	-
Start	1	End	628
Name	OJ990915_08.9B17.C13.o1.tm	Method	TBLASTX:Maize
Start	15	End	527
GI	none	Score	39
Exons	15..83, 18..53, 81..260, 82..261, 112..267, 394..519, 395..520, 396..527		

Seq. No.	23271	Seq. ID	OJ990915_08.9B17.C13
Gene No.	48437	Strand	-
Start	1	End	628
Name	OJ990915_08.9B17.C13.o1.np	Method	AAT/NAP
Start	21	End	628
GI	2281705	Score	603
Exons	21..258, 397..628		
GI Descrip.	(AF013979) ethylene responsive factor [Oryza sativa]		

Seq. No.	23271	Seq. ID	OJ990915_08.9B17.C13
Gene No.	48437	Strand	-
Start	1	End	628
Name	OJ990915_08.9B17.C13.o1.gs	Method	GENSCAN
Start	59	End	524
GI	none	Score	.92
Exons	59..258, 397..524		

Seq. No.	23272	Seq. ID	OJ990915_08.9B17.C14
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Gene No.	48438	Strand	-
Start	1	End	563
Name	OJ990915_08.9B17.C14.ol.gp	Method	AAT/GAP
Start	1	End	563
GI	346_1.R1084	Score	362
Exons	1..147, 518..563		
GI Descrip.	'1143864 0.0e+00 (U28047) beta glucosidase [Oryza sativa]'		

Seq. No.	23272	Seq. ID	OJ990915_08.9B17.C14
Gene No.	48438	Strand	-
Start	1	End	563
Name	OJ990915_08.9B17.C14.ol.tw	Method	TBLASTX:Wheat
Start	1	End	562
GI	none	Score	153
Exons	1..141, 1..141, 3..146, 515..562		

Seq. No.	23272	Seq. ID	OJ990915_08.9B17.C14
Gene No.	48438	Strand	-
Start	1	End	563
Name	OJ990915_08.9B17.C14.ol.tm	Method	TBLASTX:Maize
Start	1	End	562
GI	none	Score	174
Exons	1..147, 3..146, 517..561, 518..562		

Seq. No.	23272	Seq. ID	OJ990915_08.9B17.C14
Gene No.	48438	Strand	-
Start	1	End	563
Name	OJ990915_08.9B17.C14.ol.np	Method	AAT/NAP
Start	1	End	152
GI	1143864	Score	252
Exons	1..152		
GI Descrip.	(U28047) beta glucosidase [Oryza sativa]		

Seq. No.	23272	Seq. ID	OJ990915_08.9B17.C14
Gene No.	48438	Strand	-
Start	1	End	563
Name	OJ990915_08.9B17.C14.ol.ts	Method	TBLASTX:Soybean
Start	6	End	140
GI	none	Score	107
Exons	6..140, 7..129, 42..134		

Seq. No.	23272	Seq. ID	OJ990915_08.9B17.C14
Gene No.	48438	Strand	-
Start	1	End	563
Name	OJ990915_08.9B17.C14.ol.gs	Method	GENSCAN
Start	16	End	522
GI	none	Score	.97
Exons	16..147, 518..522		

Seq. No.	23273	Seq. ID	OJ990915_08.9B17.C15
Gene No.	48439	Strand	-
Start	166	End	177
Name	OJ990915_08.9B17.C15.ol.gs	Method	GENSCAN
Start	166	End	177
GI	none	Score	.62
Exons	166..177		

Seq. No.	23274	Seq. ID	OJ990805_01.9B19.C2
Gene No.	48440	Strand	-
Start	114	End	4728
Name	OJ990805_01.9B19.C2.o1.gs	Method	GENSCAN
Start	114	End	4716
GI	none	Score	.5
Exons	114..300, 332..401, 669..899, 956..1136, 3257..3468, 3539..3593, 4165..4315, 4581..4716		

Seq. No.	23274	Seq. ID	OJ990805_01.9B19.C2
Gene No.	48440	Strand	-
Start	114	End	4728
Name	OJ990805_01.9B19.C2.o1.np	Method	AAT/NAP
Start	827	End	4728
GI	6063557	Score	331
Exons	827..910, 4103..4288, 4537..4728		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	23274	Seq. ID	OJ990805_01.9B19.C2
Gene No.	48441	Strand	-
Start	6133	End	6630
Name	OJ990805_01.9B19.C2.o1.tm	Method	TBLASTX:Maize
Start	1947	End	5013
GI	none	Score	37
Exons	1947..1979, 2051..2113, 2073..2114, 2192..2239, 2193..2240, 2245..2355, 2268..2375, 2273..2359, 3270..3326, 3275..3319, 3358..3429, 3359..3430, 3420..3470, 3431..3469, 3456..3494, 4728..4751, 4729..4749, 4774..4806, 4774..4803, 4775..4804, 4806..4829, 4807..4830, 4922..4984, 4922..4984, 4930..4992, 4939..4986, 4989..5012, 4990..5013		

Seq. No.	23274	Seq. ID	OJ990805_01.9B19.C2
Gene No.	48441	Strand	-
Start	6133	End	6630
Name	OJ990805_01.9B19.C2.o2.gs	Method	GENSCAN
Start	6133	End	6630
GI	none	Score	.73
Exons	6133..6630		

Seq. No.	23275	Seq. ID	OJ990805_01.9B19.C3
Gene No.	48442	Strand	+
Start	1	End	1690
Name	OJ990805_01.9B19.C3.o1.np	Method	AAT/NAP
Start	1	End	1690
GI	6006359	Score	93
Exons	1..88, 1636..1690		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	23275	Seq. ID	OJ990805_01.9B19.C3
Gene No.	48443	Strand	+
Start	9312	End	11704
Name	OJ990805_01.9B19.C3.o2.np	Method	AAT/NAP
Start	9312	End	11704
GI	130582	Score	541
Exons	9312..10372, 11686..11704		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE]		

gi|100342|pir||S04273 hypothetical protein - common tobacco
gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No.	23275	Seq. ID	OJ990805_01.9B19.C3
Gene No.	48444	Strand	-
Start	7532	End	9057
Name	OJ990805_01.9B19.C3.o2.gs	Method	GENSCAN
Start	7532	End	9057
GI	none	Score	.47
Exons	7532..7584, 7629..8164, 8182..8358, 8699..9057		

Seq. No.	23276	Seq. ID	OJ990805_01.9B19.C4
Gene No.	48445	Strand	-
Start	1	End	2309
Name	OJ990805_01.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	2309
GI	6721547	Score	92
Exons	1..50, 2208..2309		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	23276	Seq. ID	OJ990805_01.9B19.C4
Gene No.	48446	Strand	-
Start	5408	End	8527
Name	OJ990805_01.9B19.C4.o2.gs	Method	GENSCAN
Start	5408	End	8527
GI	none	Score	.47
Exons	5408..5671, 6116..6184, 6498..6637, 7083..7117, 7583..8002, 8031..8181, 8403..8527		

Seq. No.	23277	Seq. ID	OJ990805_01.9B19.C5
Gene No.	48447	Strand	+
Start	6628	End	6712
Name	OJ990805_01.9B19.C5.o1.gp	Method	AAT/GAP
Start	6628	End	6712
GI	uC-osf1M202097d10b1	Score	95
Exons	6628..6712		
GI Descrip.	'4062935/dbj AB003495.1 AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	23277	Seq. ID	OJ990805_01.9B19.C5
Gene No.	48448	Strand	-
Start	3812	End	10063
Name	OJ990805_01.9B19.C5.o2.gs	Method	GENSCAN
Start	3812	End	10063
GI	none	Score	.78
Exons	3812..3910, 5514..5536, 10051..10063		

Seq. No.	23278	Seq. ID	OJ990805_01.9B19.C6
Gene No.	48449	Strand	+
Start	157	End	5068
Name	OJ990805_01.9B19.C6.o1.np	Method	AAT/NAP
Start	157	End	5068
GI	3228517	Score	927
Exons	157..442, 541..597, 700..885, 975..1059, 1655..1745, 1822..1986, 3010..3129, 3232..3304, 3929..4088, 4175..4318, 4424..4477, 5008..5068		
GI Descrip.	(AF007788) ETTIN [Arabidopsis thaliana]		

Seq. No.	23278	Seq. ID	OJ990805_01.9B19.C6
Gene No.	48449	Strand	+
Start	157	End	5068
Name	OJ990805_01.9B19.C6.o1.gs	Method	GENSCAN
Start	158	End	5043
GI	none	Score	.77
Exons	158..442, 541..597, 700..885, 975..1059, 1655..1745, 1822..1986, 3010..3178, 3929..4088, 4175..4264, 4808..5043		

Seq. No.	23278	Seq. ID	OJ990805_01.9B19.C6
Gene No.	48449	Strand	+
Start	157	End	5068
Name	OJ990805_01.9B19.C6.o1.tc	Method	TBLASTX:Cress
Start	250	End	4477
GI	none	Score	161
Exons	250..360, 251..358, 407..442, 535..597, 766..885, 783..875, 974..1060, 975..1061, 1645..1746, 1653..1745, 1808..1987, 2993..3130, 3044..3127, 3238..3273, 3271..3306, 3929..4015, 4168..4242, 4173..4238, 4421..4477, 4426..4476		

Seq. No.	23278	Seq. ID	OJ990805_01.9B19.C6
Gene No.	48449	Strand	+
Start	157	End	5068
Name	OJ990805_01.9B19.C6.o2.tm	Method	TBLASTX:Maize
Start	322	End	1064
GI	none	Score	69
Exons	322..360, 323..364, 406..441, 407..442, 535..600, 540..599, 777..875, 778..885, 854..886, 931..1059, 974..1060, 975..1061, 975..1064, 976..1062		

Seq. No.	23278	Seq. ID	OJ990805_01.9B19.C6
Gene No.	48449	Strand	+
Start	157	End	5068
Name	OJ990805_01.9B19.C6.o1.gp	Method	AAT/GAP
Start	762	End	1888
GI	569467	Score	625
Exons	762..885, 975..1059, 1655..1744, 1820..1888		
GI Descrip.	3228517 1.0e-43 (AF007788) ETTIN [Arabidopsis thaliana]		

Seq. No.	23278	Seq. ID	OJ990805_01.9B19.C6
Gene No.	48449	Strand	+
Start	157	End	5068
Name	OJ990805_01.9B19.C6.o1.ts	Method	TBLASTX:Soybean
Start	796	End	1061
GI	4306688	Score	148
Exons	796..885, 798..866, 975..1061, 986..1060		
GI Descrip.	-		

Seq. No.	23278	Seq. ID	OJ990805_01.9B19.C6
Gene No.	48449	Strand	+
Start	157	End	5068
Name	OJ990805_01.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	1645	End	5055
GI	none	Score	114
Exons	1645..1746, 1653..1745, 1808..1987, 1824..1913, 1831..1989, 1871..1984, 1935..1991, 3007..3081, 3008..3130, 3011..3127,		

3012..3128, 3229..3306, 3230..3307, 3929..4090, 3933..4100,
 3955..4086, 4156..4491, 4172..4489, 4174..4491, 4176..4517,
 4310..4492, 4492..4581, 4632..4730, 4640..4726, 4817..4966,
 4866..4976, 4876..4971, 4884..4997, 4968..5045, 4969..5055,
 4973..5050

Seq. No. 23278 Seq. ID OJ990805_01.9B19.C6
 Gene No. 48449 Strand +
 Start 157 End 5068
 Name OJ990805_01.9B19.C6.o2.ts Method TBLASTX:Soybean
 Start 1645 End 3991
 GI none Score 135
 Exons 1645..1746, 1653..1745, 1820..2029, 3008..3148, 3062..3148,
 3926..3991

Seq. No. 23278 Seq. ID OJ990805_01.9B19.C6
 Gene No. 48449 Strand +
 Start 157 End 5068
 Name OJ990805_01.9B19.C6.o1.tw Method TBLASTX:Wheat
 Start 3000 End 4449
 GI none Score 192
 Exons 3000..3131, 3008..3133, 3008..3133, 3229..3306, 3230..3307,
 3249..3308, 3913..4071, 3915..4070, 3929..4087, 3955..4086,
 4155..4358, 4169..4246, 4172..4363, 4177..4359, 4298..4363,
 4341..4400, 4345..4401, 4400..4447, 4401..4448, 4401..4448,
 4402..4449

Seq. No. 23278 Seq. ID OJ990805_01.9B19.C6
 Gene No. 48449 Strand +
 Start 157 End 5068
 Name OJ990805_01.9B19.C6.o2.gp Method AAT/GAP
 Start 3938 End 4486
 GI 2428540 Score 902
 Exons 3938..4088, 4175..4486
 GI Descrip. 2245390 1.0e-09 (U89296) auxin response transcription factor 3;
 ARF3 [Arabidopsis thaliana]

Seq. No. 23278 Seq. ID OJ990805_01.9B19.C6
 Gene No. 48449 Strand +
 Start 157 End 5068
 Name OJ990805_01.9B19.C6.o3.gp Method AAT/GAP
 Start 4819 End 5068
 GI 59443_1.R1084 Score 440
 Exons 4819..5068
 GI Descrip. '2245390 1.0e-09 (U89296) auxin response transcription factor 3;
 ARF3 [Arabidopsis thaliana]'

Seq. No. 23279 Seq. ID OJ990805_01.9B19.C7
 Gene No. 48450 Strand +
 Start 1 End 171
 Name OJ990805_01.9B19.C7.o1.gp Method AAT/GAP
 Start 1 End 171
 GI 59443_1.R1084 Score 298
 Exons 1..171
 GI Descrip. '2245390 1.0e-09 (U89296) auxin response transcription factor 3;
 ARF3 [Arabidopsis thaliana]'

Seq. No. 23279
 Gene No. 48451
 Start 432
 Name OJ990805_01.9B19.C7.o1.gs
 Start 432
 GI none
 Exons 432..1058

Seq. ID OJ990805_01.9B19.C7
 Strand +
 End 1058
 Method GENSCAN
 End 1058
 Score .9

Seq. No. 23279
 Gene No. 48452
 Start 5261
 Name OJ990805_01.9B19.C7.o1.np
 Start 5246
 GI 479356
 Exons 5246..7577

Seq. ID OJ990805_01.9B19.C7
 Strand +
 End 7580
 Method AAT/NAP
 End 7577
 Score 1585

GI Descrip. protein kinase PK1 (EC 2.7.1.-), receptor-like - maize

Seq. No. 23279
 Gene No. 48452
 Start 5261
 Name OJ990805_01.9B19.C7.o3.gs
 Start 5261
 GI none
 Exons 5261..6023, 6034..7580

Seq. ID OJ990805_01.9B19.C7
 Strand +
 End 7580
 Method GENSCAN
 End 7580
 Score .88

Seq. No. 23279
 Gene No. 48453
 Start 9632
 Name OJ990805_01.9B19.C7.o3.np
 Start 9632
 GI 5734709
 Exons 9632..9901, 10199..10490, 15461..15526

Seq. ID OJ990805_01.9B19.C7
 Strand +
 End 15526
 Method AAT/NAP
 End 15526
 Score 102

GI Descrip. (AC008075) Contains PF|00069 Eukaryotic protein kinase domain.
 [Arabidopsis thaliana]

Seq. No. 23279
 Gene No. 48454
 Start 8239
 Name OJ990805_01.9B19.C7.o3.tm
 Start 1948
 GI none
 Exons 1948..2097, 1955..2098

Seq. ID OJ990805_01.9B19.C7
 Strand -
 End 15731
 Method TBLASTX:Maize
 End 2098
 Score 117

Seq. No. 23279
 Gene No. 48454
 Start 8239
 Name OJ990805_01.9B19.C7.o2.ts
 Start 5315
 GI none
 Exons 5315..5476, 5323..5472, 5471..5620, 5488..5574, 15375..15530, 15525..15710

Seq. ID OJ990805_01.9B19.C7
 Strand -
 End 15731
 Method TBLASTX:Soybean
 End 15710
 Score 129

Seq. No. 23279
 Gene No. 48454
 Start 8239
 Name OJ990805_01.9B19.C7.o1.tc
 Start 5438

Seq. ID OJ990805_01.9B19.C7
 Strand -
 End 15731
 Method TBLASTX:Cress
 End 7562

GI	none	Score	43
Exons	5438..5548, 5537..5602, 5627..5767, 6810..6998, 6812..6928, 7004..7171, 7011..7202, 7221..7337, 7419..7562		

Seq. No.	23279	Seq. ID	OJ990805_01.9B19.C7
Gene No.	48454	Strand	-
Start	8239	End	15731
Name	OJ990805_01.9B19.C7.o2.tm	Method	TBLASTX:Maize
Start	5615	End	15731
GI	none	Score	79
Exons	5615..5680, 5632..5679, 5659..5775, 5668..5823, 5678..5914, 5678..5914, 15663..15731		

Seq. No.	23279	Seq. ID	OJ990805_01.9B19.C7
Gene No.	48454	Strand	-
Start	8239	End	15731
Name	OJ990805_01.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	6716	End	7325
GI	none	Score	74
Exons	6716..6844, 6753..6845, 6855..7004, 6855..6962, 7017..7325, 7031..7282		

Seq. No.	23279	Seq. ID	OJ990805_01.9B19.C7
Gene No.	48454	Strand	-
Start	8239	End	15731
Name	OJ990805_01.9B19.C7.o1.ts	Method	TBLASTX:Soybean
Start	6723	End	7169
GI	none	Score	296
Exons	6723..6989, 6731..7000, 6740..6937, 6961..7167, 7017..7169, 7023..7169		

Seq. No.	23279	Seq. ID	OJ990805_01.9B19.C7
Gene No.	48454	Strand	-
Start	8239	End	15731
Name	OJ990805_01.9B19.C7.o1.tw	Method	TBLASTX:Wheat
Start	6860	End	7283
GI	none	Score	169
Exons	6860..6931, 6861..6992, 6868..6975, 6870..6992, 6889..6996, 7010..7282, 7014..7283		

Seq. No.	23279	Seq. ID	OJ990805_01.9B19.C7
Gene No.	48454	Strand	-
Start	8239	End	15731
Name	OJ990805_01.9B19.C7.o2.np	Method	AAT/NAP
Start	8239	End	9697
GI	2289002	Score	117
Exons	8239..8256, 9560..9697		
GI Descrip.	(AC002335) unknown protein [Arabidopsis thaliana]		

Seq. No.	23279	Seq. ID	OJ990805_01.9B19.C7
Gene No.	48454	Strand	-
Start	8239	End	15731
Name	OJ990805_01.9B19.C7.o2.gp	Method	AAT/GAP
Start	8848	End	9148
GI	2312863	Score	573
Exons	8848..9148		
GI Descrip.	5091496/dbj AB023482.2 AB023482 1.0e-12 Oryza sativa genomic		

DNA, chromosome 6, clone P0680A03, complete sequence

Seq. No.	23279	Seq. ID	OJ990805_01.9B19.C7
Gene No.	48454	Strand	-
Start	8239	End	15731
Name	OJ990805_01.9B19.C7.o4.gs	Method	GENSCAN
Start	9071	End	10298
GI	none	Score	.75
Exons	9071..9165, 9340..9482, 9502..9627, 9742..10298		
Seq. No.	23280	Seq. ID	OJ990805_01.9B19.C8
Gene No.	48455	Strand	+
Start	119	End	217
Name	OJ990805_01.9B19.C8.o1.gs	Method	GENSCAN
Start	119	End	217
GI	none	Score	.47
Exons	119..217		
Seq. No.	23281	Seq. ID	OJ990805_01.9B19.C9
Gene No.	48456	Strand	-
Start	1770	End	2607
Name	OJ990805_01.9B19.C9.o1.gs	Method	GENSCAN
Start	1770	End	2598
GI	none	Score	.68
Exons	1770..1786, 1916..2434, 2553..2598		
Seq. No.	23281	Seq. ID	OJ990805_01.9B19.C9
Gene No.	48456	Strand	-
Start	1770	End	2607
Name	OJ990805_01.9B19.C9.o1.ts	Method	TBLASTX:Soybean
Start	2325	End	2607
GI	none	Score	84
Exons	2325..2438, 2350..2439, 2554..2607		
Seq. No.	23282	Seq. ID	OJ990805_01.9B19.C10
Gene No.	48457	Strand	-
Start	51	End	4662
Name	OJ990805_01.9B19.C10.o1.gs	Method	GENSCAN
Start	51	End	4662
GI	none	Score	.55
Exons	51..323, 663..1076, 4409..4616, 4660..4662		
Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48458	Strand	+
Start	13448	End	25797
Name	OJ990805_01.9B19.C11.o3.gs	Method	GENSCAN
Start	13448	End	24725
GI	none	Score	.44
Exons	13448..13618, 13864..13968, 14519..14675, 15988..16157, 16252..16457, 19295..19389, 19501..20112, 21656..21883, 22256..22422, 24279..24725		
Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48458	Strand	+
Start	13448	End	25797
Name	OJ990805_01.9B19.C11.o1.gp	Method	AAT/GAP
Start	14786	End	15350

GI 72424_1.R1084 Score 75
 Exons 14786..14810, 15294..15350
 GI Descrip. '2842493/emb|CAA16890.1| 8.0e-32 (AL021749) predicted protein [Arabidopsis thaliana]'

Seq. No. 23283 Seq. ID OJ990805_01.9B19.C11
 Gene No. 48458 Strand +
 Start 13448 End 25797
 Name OJ990805_01.9B19.C11.o2.gp Method AAT/GAP
 Start 15936 End 19566
 GI 45084_1.R1084 Score 877
 Exons 15936..16157, 16252..16446, 19495..19566
 GI Descrip. '2842493/emb|CAA16890.1| 7.0e-18 (AL021749) predicted protein [Arabidopsis thaliana]'

Seq. No. 23283 Seq. ID OJ990805_01.9B19.C11
 Gene No. 48458 Strand +
 Start 13448 End 25797
 Name OJ990805_01.9B19.C11.o2.np Method AAT/NAP
 Start 15990 End 20090
 GI 2842493 Score 876
 Exons 15990..16157, 16261..16453, 19501..20090
 GI Descrip. (AL021749) predicted protein [Arabidopsis thaliana]

Seq. No. 23283 Seq. ID OJ990805_01.9B19.C11
 Gene No. 48458 Strand +
 Start 13448 End 25797
 Name OJ990805_01.9B19.C11.o3.gp Method AAT/GAP
 Start 23713 End 23904
 GI 5667165 Score 356
 Exons 23713..23904
 GI Descrip. 5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence

Seq. No. 23283 Seq. ID OJ990805_01.9B19.C11
 Gene No. 48458 Strand +
 Start 13448 End 25797
 Name OJ990805_01.9B19.C11.o3.np Method AAT/NAP
 Start 23986 End 25797
 GI 6907086 Score 1312
 Exons 23986..24742, 24800..25045, 25272..25486, 25613..25797
 GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 23283 Seq. ID OJ990805_01.9B19.C11
 Gene No. 48459 Strand -
 Start 1 End 1180
 Name OJ990805_01.9B19.C11.o1.np Method AAT/NAP
 Start 1 End 1180
 GI 6721547 Score 99
 Exons 1..27, 1079..1180
 GI Descrip. (AP001073) Similar to Oryza sativa gene for Pib. (AB013448)

Seq. No. 23283 Seq. ID OJ990805_01.9B19.C11
 Gene No. 48460 Strand -
 Start 10640 End 11311
 Name OJ990805_01.9B19.C11.o2.gs Method GENSCAN
 Start 10640 End 11311

GI	none	Score	.69
Exons	10640..10714, 11213..11311		
Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o1.tc	Method	TBLASTX:Cress
Start	6606	End	7303
GI	none	Score	188
Exons	6606..6872, 6620..6874, 6627..6977, 6627..6806, 6644..6880, 6654..6875, 6690..6911, 6713..6988, 6732..7082, 6789..6986, 6825..7172, 6830..7027, 6888..7172, 6897..7094, 6941..6991, 7256..7303		

Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o3.tm	Method	TBLASTX:Maize
Start	6624	End	7175
GI	none	Score	228
Exons	6624..7085, 6626..7057, 6627..7175, 6630..7172, 6630..6986, 6687..7175		

Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o3.ts	Method	TBLASTX:Soybean
Start	6624	End	7364
GI	none	Score	291
Exons	6624..7040, 6626..6886, 6627..6833, 6654..6761, 6768..6872, 6795..7148, 6809..6886, 6864..7172, 6942..7172, 7194..7364		

Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o2.tm	Method	TBLASTX:Maize
Start	15985	End	16347
GI	none	Score	54
Exons	15985..16020, 15986..16039, 15987..16046, 16095..16160, 16106..16159, 16115..16162, 16245..16307, 16249..16347		

Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o2.tc	Method	TBLASTX:Cress
Start	15990	End	16394
GI	none	Score	54
Exons	15990..16031, 16104..16181, 16115..16138, 16257..16394, 16264..16392		

Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o2.ts	Method	TBLASTX:Soybean
Start	15990	End	16485
GI	none	Score	51
Exons	15990..16046, 16119..16181, 16269..16454, 16270..16485		

Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o3.tc	Method	TBLASTX:Cress
Start	19485	End	19814
GI	none	Score	130
Exons	19485..19604, 19499..19603, 19716..19814, 19721..19813		19572..19637, 19592..19636,

Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o1.ts	Method	TBLASTX:Soybean
Start	19520	End	19844
GI	none	Score	527
Exons	19520..19834, 19521..19844		

Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o1.tm	Method	TBLASTX:Maize
Start	19622	End	19847
GI	none	Score	375
Exons	19622..19846, 19638..19847		

Seq. No.	23283	Seq. ID	OJ990805_01.9B19.C11
Gene No.	48461	Strand	-
Start	25080	End	25397
Name	OJ990805_01.9B19.C11.o4.gs	Method	GENSCAN
Start	25080	End	25397
GI	none	Score	.96
Exons	25080..25397		

Seq. No.	23284	Seq. ID	OJ990605_42.9C03.C2
Gene No.	48462	Strand	+
Start	2577	End	10766
Name	OJ990605_42.9C03.C2.o1.gs	Method	GENSCAN
Start	2577	End	10766
GI	none	Score	.78
Exons	2577..2963, 3760..3924, 4090..4212, 4442..4663, 5484..5573, 7650..7807, 7887..7951, 8437..8548, 9134..9191, 9687..9851, 9934..9998, 10410..10766		

Seq. No.	23284	Seq. ID	OJ990605_42.9C03.C2
Gene No.	48462	Strand	+
Start	2577	End	10766
Name	OJ990605_42.9C03.C2.o2.tc	Method	TBLASTX:Cress
Start	2643	End	2882
GI	none	Score	43
Exons	2643..2675, 2742..2882, 2744..2839		

Seq. No.	23284	Seq. ID	OJ990605_42.9C03.C2
Gene No.	48462	Strand	+
Start	2577	End	10766
Name	OJ990605_42.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	4084	End	4660

GI	none	Score	153
Exons	4084..4215, 4156..4215, 4433..4660, 4433..4618, 4438..4659		
Seq. No.	23284	Seq. ID	OJ990605_42.9C03.C2
Gene No.	48462	Strand	+
Start	2577	End	10766
Name	OJ990605_42.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	4585	End	6923
GI	none	Score	110
Exons	4585..4701, 4586..4663, 5473..5625, 5479..5619, 5481..5621, 5696..5800, 5707..5802, 5707..5802, 6836..6898, 6840..6923, 6840..6923		

Seq. No.	23284	Seq. ID	OJ990605_42.9C03.C2
Gene No.	48462	Strand	+
Start	2577	End	10766
Name	OJ990605_42.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	5737	End	7934
GI	none	Score	86
Exons	5737..5802, 5738..5800, 6838..6894, 6839..6922, 6840..6935, 7070..7132, 7080..7130, 7081..7131, 7081..7143, 7232..7318, 7239..7319, 7239..7346, 7240..7323, 7650..7739, 7650..7727, 7652..7738, 7727..7807, 7728..7808, 7732..7818, 7732..7833, 7873..7932, 7884..7934, 7887..7934		

Seq. No.	23284	Seq. ID	OJ990605_42.9C03.C2
Gene No.	48462	Strand	+
Start	2577	End	10766
Name	OJ990605_42.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	6840	End	8366
GI	none	Score	89
Exons	6840..6923, 7070..7132, 7081..7131, 7232..7321, 7239..7322, 7650..7808, 7651..7818, 7652..7807, 7873..7953, 7884..7952, 8301..8366		

Seq. No.	23284	Seq. ID	OJ990605_42.9C03.C2
Gene No.	48462	Strand	+
Start	2577	End	10766
Name	OJ990605_42.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	7232	End	9518
GI	none	Score	101
Exons	7232..7324, 7239..7322, 7650..7808, 7655..7807, 7873..7953, 7884..7940, 8301..8363, 8303..8362, 8305..8370, 8448..8549, 8451..8549, 8453..8551, 9132..9191, 9136..9192, 9136..9186, 9270..9311, 9271..9312, 9303..9365, 9313..9366, 9359..9514, 9372..9518, 9376..9513		

Seq. No.	23284	Seq. ID	OJ990605_42.9C03.C2
Gene No.	48462	Strand	+
Start	2577	End	10766
Name	OJ990605_42.9C03.C2.o3.tc	Method	TBLASTX:Cress
Start	9424	End	9603
GI	none	Score	187
Exons	9424..9603, 9462..9599		

Seq. No.	23284	Seq. ID	OJ990605_42.9C03.C2
Gene No.	48462	Strand	+

Start	2577	End	10766
Name	OJ990605_42.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	9562	End	9827
GI	none	Score	74
Exons	9562..9603, 9564..9599, 9672..9827, 9678..9827		
Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48463	Strand	+
Start	1	End	4450
Name	OJ990605_42.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	2816
GI	3236249	Score	906
Exons	1..63, 290..1232, 1334..1491, 1687..1738, 1849..1931, 2037..2130, 2225..2326, 2374..2816		
GI Descrip.	(AC004684) putative WD-40 repeat protein [Arabidopsis thaliana]		
Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48463	Strand	+
Start	1	End	4450
Name	OJ990605_42.9C03.C3.o1.gs	Method	GENSCAN
Start	72	End	4450
GI	none	Score	.55
Exons	72..1232, 1334..1491, 1687..1738, 1849..1931, 2037..2130, 2225..2755, 4278..4450		
Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48463	Strand	+
Start	1	End	4450
Name	OJ990605_42.9C03.C3.o1.gp	Method	AAT/GAP
Start	415	End	657
GI	none	Score	462
Exons	415..657		
Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48463	Strand	+
Start	1	End	4450
Name	OJ990605_42.9C03.C3.o2.gp	Method	AAT/GAP
Start	2238	End	2605
GI	3762621	Score	621
Exons	2238..2605		
Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48463	Strand	+
Start	1	End	4450
Name	OJ990605_42.9C03.C3.o3.gp	Method	AAT/GAP
Start	2697	End	3030
GI	3762622	Score	597
Exons	2697..3030		
Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48464	Strand	+
Start	5532	End	7859
Name	OJ990605_42.9C03.C3.o3.np	Method	AAT/NAP
Start	5532	End	7859
GI	4680203	Score	136
Exons	5532..5874, 7822..7859		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48465	Strand	+
Start	22019	End	25313
Name	OJ990605_42.9C03.C3.o5.gs	Method	GENSCAN
Start	22019	End	25294
GI	none	Score	.89
Exons	22019..22108, 22210..22341, 22645..22765, 22847..22947, 23047..23134, 24157..24224, 24599..24673, 24753..24830, 24930..25034, 25223..25294		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48465	Strand	+
Start	22019	End	25313
Name	OJ990605_42.9C03.C3.o4.gp	Method	AAT/GAP
Start	24599	End	25313
GI	84818 1.R1084	Score	761
Exons	24599..24673, 24753..24830, 24930..25034, 25128..25313		
GI Descrip.	'1419388/emb CAA67425 2.0e-33 (X98925) stromal ascorbate peroxidase [Arabidopsis thaliana]'		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48466	Strand	+
Start	26236	End	29839
Name	OJ990605_42.9C03.C3.o5.gp	Method	AAT/GAP
Start	26125	End	27167
GI	uC-osflcyp151d05b1	Score	926
Exons	26125..26301, 26432..26554, 26901..27021, 27094..27167		
GI Descrip.	'4996604/dbj BAA78553.1 1.0e-34 (AB022274) stromal ascorbate peroxidase [Nicotiana tabacum]'		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48466	Strand	+
Start	26236	End	29839
Name	OJ990605_42.9C03.C3.o6.np	Method	AAT/NAP
Start	26171	End	29601
GI	5731760	Score	957
Exons	26171..26554, 26901..27021, 27094..27194, 27297..27384, 28414..28481, 28563..28649, 29150..29224, 29311..29388, 29485..29601		
GI Descrip.	(AL109819) stromal ascorbate peroxidase [Arabidopsis thaliana]		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48466	Strand	+
Start	26236	End	29839
Name	OJ990605_42.9C03.C3.o6.gs	Method	GENSCAN
Start	26236	End	29839
GI	none	Score	.9
Exons	26236..26301, 26432..26554, 26901..27021, 27094..27194, 27297..27384, 28414..28481, 28841..28915, 29150..29224, 29311..29388, 29485..29589, 29690..29839		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48467	Strand	+
Start	38654	End	38839
Name	OJ990605_42.9C03.C3.o8.np	Method	AAT/NAP
Start	38654	End	38839

GI 5734709 Score 39
 Exons 38654..38839
 GI Descrip. (AC008075) Contains PF|00069 Eukaryotic protein kinase domain.
 [Arabidopsis thaliana]

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48468 Strand +
 Start 47123 End 49592
 Name OJ990605_42.9C03.C3.o10.gs Method GENSCAN
 Start 47123 End 49592
 GI none Score .85
 Exons 47123..47176, 47390..47629, 47748..49592

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48469 Strand +
 Start 57091 End 57706
 Name OJ990605_42.9C03.C3.o12.gs Method GENSCAN
 Start 57091 End 57706
 GI none Score .66
 Exons 57091..57257, 57490..57706

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48470 Strand +
 Start 58740 End 59595
 Name OJ990605_42.9C03.C3.o13.gs Method GENSCAN
 Start 58740 End 59595
 GI none Score .47
 Exons 58740..58774, 59457..59595

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48471 Strand +
 Start 68376 End 70146
 Name OJ990605_42.9C03.C3.o13.np Method AAT/NAP
 Start 68376 End 70146
 GI 5922620 Score 135
 Exons 68376..68447, 70014..70146
 GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the
 predicted gene.; hypothetical protein [Oryza sativa]
 gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514)
 corresponds to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48472 Strand +
 Start 83649 End 84129
 Name OJ990605_42.9C03.C3.o9.gp Method AAT/GAP
 Start 83649 End 84129
 GI 38782_1.R1084 Score 776
 Exons 83649..84129
 GI Descrip. '6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic
 DNA, chromosome 6, clone:P0514G12'

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48473 Strand +
 Start 85688 End 90938
 Name OJ990605_42.9C03.C3.o10.gp Method AAT/GAP
 Start 85288 End 85483

GI 5667165 Score 352
 Exons 85288..85483
 GI Descrip. 5670155/gb|AF161269.1|AF161269.4.0e-86 *Oryza sativa* subsp. japonica BAC clone 34K24, complete sequence

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48473 Strand +
 Start 85688 End 90938
 Name OJ990605_42.9C03.C3.o19.gs Method GENSCAN
 Start 85688 End 90909
 GI none Score .62
 Exons 85688..85903, 86191..90080, 90129..90909

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48473 Strand +
 Start 85688 End 90938
 Name OJ990605_42.9C03.C3.o14.np Method AAT/NAP
 Start 85754 End 90938
 GI 4680179 Score 4596
 Exons 85754..85830, 86436..87418, 87521..90938
 GI Descrip. (AF111709) polyprotein [*Oryza sativa* subsp. indica]

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48474 Strand -
 Start 3694 End 12753
 Name OJ990605_42.9C03.C3.o2.np Method AAT/NAP
 Start 3694 End 8381
 GI 6562259 Score 398
 Exons 3694..3733, 4899..5093, 5508..5730, 5808..5907, 8349..8381
 GI Descrip. (AL132980) putative protein [*Arabidopsis thaliana*]

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48474 Strand -
 Start 3694 End 12753
 Name OJ990605_42.9C03.C3.o2.gs Method GENSCAN
 Start 4744 End 7479
 GI none Score .6
 Exons 4744..4798, 4899..5093, 5508..5720, 5765..5922, 6568..6729, 6784..6820, 7029..7115, 7469..7479

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48474 Strand -
 Start 3694 End 12753
 Name OJ990605_42.9C03.C3.o3.gs Method GENSCAN
 Start 8039 End 12753
 GI none Score .81
 Exons 8039..8624, 8696..8979, 9485..9961, 10093..10252, 10281..10410, 11451..11560, 12468..12574, 12751..12753

Seq. No. 23285 Seq. ID OJ990605_42.9C03.C3
 Gene No. 48474 Strand -
 Start 3694 End 12753
 Name OJ990605_42.9C03.C3.o4.np Method AAT/NAP
 Start 8054 End 8718
 GI 431154 Score 543
 Exons 8054..8718
 GI Descrip. (D21813) ORF [*Lilium longiflorum*]

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48475	Strand	-
Start	14869	End	18532
Name	OJ990605_42.9C03.C3.o4.gs	Method	GENSCAN
Start	14869	End	18532
GI	none	Score	.99
Exons	14869..15097, 15270..15464, 15901..16348, 16432..18532		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48475	Strand	-
Start	14869	End	18532
Name	OJ990605_42.9C03.C3.o5.np	Method	AAT/NAP
Start	14872	End	18495
GI	3337361	Score	2101
Exons	14872..15097, 15270..15464, 15901..16348, 16432..17164, 17198..17797, 18359..18495		
GI Descrip.	(AC004481) unknown protein [Arabidopsis thaliana]		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48476	Strand	-
Start	25044	End	60995
Name	OJ990605_42.9C03.C3.o11.np	Method	AAT/NAP
Start	25044	End	60995
GI	5734709	Score	655
Exons	25044..25209, 42219..43094, 48438..48656, 48714..49066, 53079..53214, 60582..60995		
GI Descrip.	(AC008075) Contains PF 00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48476	Strand	-
Start	25044	End	60995
Name	OJ990605_42.9C03.C3.o7.np	Method	AAT/NAP
Start	30258	End	38817
GI	4973431	Score	765
Exons	30258..30506, 30970..31119, 31251..31341, 31436..31608, 31695..31808, 32724..32839, 32955..33161, 36159..36255, 37646..37714, 38606..38817		
GI Descrip.	(AF148877) putative aldehyde dehydrogenase OS-ALDH [Oryza sativa subsp. indica]		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48476	Strand	-
Start	25044	End	60995
Name	OJ990605_42.9C03.C3.o7.gs	Method	GENSCAN
Start	30264	End	36240
GI	none	Score	.97
Exons	30264..30506, 30970..31119, 31251..31341, 31436..31608, 31695..31799, 32724..32839, 32955..33161, 36159..36240		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48476	Strand	-
Start	25044	End	60995
Name	OJ990605_42.9C03.C3.o8.gs	Method	GENSCAN
Start	38558	End	38809
GI	none	Score	.92

Exons 38558..38809

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48476	Strand	-
Start	25044	End	60995
Name	OJ990605_42.9C03.C3.o9.gs	Method	GENSCAN
Start	40959	End	45257
GI	none	Score	.47
Exons	40959..41013, 42225..44529, 45230..45257		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48476	Strand	-
Start	25044	End	60995
Name	OJ990605_42.9C03.C3.o9.np	Method	AAT/NAP
Start	42215	End	44602
GI	1346396	Score	1903
Exons	42215..44602		

GI Descrip. PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR
gi|100913|pir||S10930 probable receptor protein kinase (EC
2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384)
precursor protein (AA -26 to 791) [Zea mays]
gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase
[Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea
mays]

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48476	Strand	-
Start	25044	End	60995
Name	OJ990605_42.9C03.C3.o10.np	Method	AAT/NAP
Start	50553	End	53841
GI	4490316	Score	827
Exons	50553..50668, 50767..50890, 50921..51109, 51190..51328, 51762..51995, 52091..52326, 52836..52953, 53157..53207, 53786..53841		

GI Descrip. (AL035678) nucellin-like protein [Arabidopsis thaliana]

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48476	Strand	-
Start	25044	End	60995
Name	OJ990605_42.9C03.C3.o11.gs	Method	GENSCAN
Start	50559	End	53323
GI	none	Score	.92
Exons	50559..50668, 50767..50839, 51077..51109, 51190..51328, 51762..51995, 52091..52326, 52836..52953, 53157..53323		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48476	Strand	-
Start	25044	End	60995
Name	OJ990605_42.9C03.C3.o6.gp	Method	AAT/GAP
Start	51788	End	53373
GI	17014_1.R1084	Score	1440
Exons	51788..51995, 52091..52326, 52836..52953, 53157..53373		
GI Descrip.	'5231209/gb AF159061.1 AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
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Gene No.	48477	Strand	-
Start	64356	End	70095
Name	OJ990605_42.9C03.C3.o8.gp	Method	AAT/GAP
Start	63206	End	63686
GI	LIB3432-059-P1-K1-D8	Score	764
Exons	63206..63686		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48477	Strand	-
Start	64356	End	70095
Name	OJ990605_42.9C03.C3.o15.gs	Method	GENSCAN
Start	64356	End	70095
GI	none	Score	.54
Exons	64356..64408, 65119..65296, 65413..65667, 66460..66647, 66920..67145, 67218..67405, 67619..67730, 69697..69785, 69915..70095		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48477	Strand	-
Start	64356	End	70095
Name	OJ990605_42.9C03.C3.o12.np	Method	AAT/NAP
Start	66379	End	68716
GI	6967112	Score	394
Exons	66379..66838, 66920..67145, 67218..67324, 68689..68716		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48478	Strand	-
Start	76309	End	77025
Name	OJ990605_42.9C03.C3.o17.gs	Method	GENSCAN
Start	76309	End	77025
GI	none	Score	.97
Exons	76309..77025		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48479	Strand	-
Start	79156	End	82192
Name	OJ990605_42.9C03.C3.o18.gs	Method	GENSCAN
Start	79156	End	82192
GI	none	Score	.56
Exons	79156..79316, 82120..82192		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o9.tm	Method	TBLASTX:Maize
Start	1016	End	2466
GI	none	Score	212
Exons	1016..1231, 1033..1245, 1332..1490, 1333..1509, 1684..1737, 1845..1937, 2076..2132, 2078..2131, 2223..2312, 2224..2319, 2410..2466		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986

Name	OJ990605_42.9C03.C3.o5.ts	Method	TBLASTX:Soybean
Start	1033	End	2319
GI	none	Score	234
Exons	1033..1245, 1034..1231, 1332..1382, 1333..1383, 1375..1509, 1377..1487, 1684..1737, 1854..1931, 2034..2132, 2036..2149, 2223..2309, 2224..2319		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o6.tc	Method	TBLASTX:Cress
Start	1190	End	1493
GI	none	Score	53
Exons	1190..1231, 1332..1487, 1333..1491, 1335..1493		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	4762	End	17344
GI	none	Score	244
Exons	4762..4818, 4878..5090, 4898..5092, 5471..5605, 5508..5594, 14878..15120, 14894..15121, 15269..15463, 15270..15461, 15882..16346, 15901..16350, 16433..17344, 16437..16493, 16548..17156, 16826..17158, 17259..17282		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o4.tc	Method	TBLASTX:Cress
Start	4896	End	16262
GI	none	Score	201
Exons	4896..5078, 4898..5092, 4899..5093, 5504..5602, 5508..5591, 15269..15463, 15270..15464, 15897..16055, 16050..16262, 16072..16182		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	4898	End	16672
GI	none	Score	206
Exons	4898..5092, 4899..5093, 5489..5605, 14885..15133, 14890..15120, 15269..15463, 15270..15464, 15882..16346, 15901..16263, 16436..16531, 16440..16493, 16523..16672, 16548..16652		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o15.tw	Method	TBLASTX:Wheat
Start	4899	End	86392
GI	none	Score	87
Exons	4899..5012, 4913..5026, 5045..5092, 15031..15132, 15270..15383, 15284..15397, 15413..15463, 15414..15461, 86303..86392		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-

Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o12.tw	Method	TBLASTX:Wheat
Start	5328	End	67104
GI	none	Score	63
Exons	5328..5417, 66675..66740, 66753..66839, 66754..66843, 66951..67079, 66982..67104		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	8067	End	8850
GI	none	Score	34
Exons	8067..8102, 8186..8218, 8220..8384, 8225..8374, 8372..8668, 8373..8645, 8668..8850, 8669..8842		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o3.tc	Method	TBLASTX:Cress
Start	8177	End	8839
GI	none	Score	82
Exons	8177..8257, 8261..8371, 8262..8381, 8372..8665, 8373..8666, 8671..8838, 8672..8839		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o10.ts	Method	TBLASTX:Soybean
Start	8393	End	8832
GI	none	Score	87
Exons	8393..8668, 8535..8669, 8663..8803, 8668..8832, 8669..8812		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o8.tc	Method	TBLASTX:Cress
Start	14893	End	15121
GI	none	Score	141
Exons	14893..15120, 14894..15121		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	16263	End	17159
GI	none	Score	62
Exons	16263..16346, 16436..16630, 16446..16493, 16548..16631, 16634..17158, 16635..17159		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o8.tw	Method	TBLASTX:Wheat
Start	16586	End	16913
GI	none	Score	90
Exons	16586..16780, 16602..16772, 16797..16913, 16805..16912		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	16673	End	17057
GI	none	Score	380
Exons	16673..17056, 16704..17057		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o10.tm	Method	TBLASTX:Maize
Start	22273	End	29394
GI	none	Score	87
Exons	22273..22344, 22632..22766, 22633..22767, 22842..22949, 22843..22947, 23025..23093, 23026..23133, 24150..24224, 24151..24231, 24155..24226, 24299..24394, 24303..24398, 24599..24673, 24602..24673, 24604..24675, 24759..24836, 24771..24818, 24775..24831, 26513..26557, 26899..27018, 26900..27022, 26900..27022, 26901..27038, 27084..27194, 27092..27196, 27104..27196, 27294..27383, 27296..27382, 28407..28481, 28412..28483, 28415..28489, 28550..28645, 28562..28639, 28563..28649, 29150..29224, 29153..29224, 29161..29226, 29317..29394		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o16.tw	Method	TBLASTX:Wheat
Start	22273	End	27044
GI	none	Score	85
Exons	22273..22344, 22632..22766, 22633..22767, 26489..26554, 26513..26557, 26900..27022, 26901..27044		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o5.tc	Method	TBLASTX:Cress
Start	22276	End	29590
GI	none	Score	74
Exons	22276..22344, 22632..22766, 22633..22767, 22842..22949, 22843..22947, 23025..23090, 23026..23133, 24150..24224, 24151..24225, 24155..24226, 24302..24397, 24303..24398, 24599..24673, 24604..24675, 24744..24833, 24752..24832, 24924..25034, 24930..25034, 26900..27022, 26901..27044, 27066..27194, 27092..27196, 27095..27208, 27294..27383, 27296..27382, 28407..28481, 28408..28482, 28412..28483, 28415..28483, 28553..28648, 28563..28649, 29150..29224, 29150..29224, 29283..29399, 29305..29406, 29479..29589, 29481..29561, 29482..29589, 29486..29590		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o7.ts	Method	TBLASTX:Soybean
Start	22276	End	28585

GI	none	Score	79
Exons	22276..22344, 22625..22756, 22632..22766, 22633..22767, 22842..22937, 22842..22949, 22843..22947, 23026..23133, 23042..23137, 23045..23134, 24150..24224, 24309..24335, 26901..27044, 26902..27018, 26903..27022, 27084..27194, 27092..27196, 27294..27383, 27296..27382, 28407..28481, 28412..28483, 28562..28579, 28562..28585		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o14.tw	Method	TBLASTX:Wheat
Start	22876	End	28652
GI	none	Score	99
Exons	22876..22947, 22878..22949, 23026..23133, 23038..23163, 23045..23137, 24150..24224, 24155..24226, 24158..24226, 24184..24249, 24299..24397, 24303..24398, 24303..24401, 24310..24399, 27123..27194, 27125..27196, 27128..27196, 27290..27343, 27294..27383, 27296..27382, 28407..28481, 28412..28483, 28415..28483, 28550..28648, 28554..28652, 28562..28648, 28563..28649		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o8.ts	Method	TBLASTX:Soybean
Start	24336	End	29599
GI	none	Score	114
Exons	24336..24398, 24338..24397, 24599..24673, 24604..24675, 24744..24833, 24744..24830, 24752..24841, 24924..25028, 24930..25028, 24934..25044, 25007..25054, 28587..28649, 28589..28648, 29150..29224, 29150..29224, 29185..29265, 29305..29406, 29305..29388, 29307..29399, 29458..29583, 29473..29583, 29489..29599		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o13.tw	Method	TBLASTX:Wheat
Start	30267	End	30458
GI	none	Score	182
Exons	30267..30458, 30268..30447, 30381..30452		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o7.tm	Method	TBLASTX:Maize
Start	30267	End	38783
GI	none	Score	252
Exons	30267..30512, 30268..30519, 30313..30522, 30962..31120, 30967..31119, 31248..31340, 31249..31341, 31250..31315, 31252..31341, 31429..31578, 31433..31609, 31435..31602, 31457..31618, 31692..31808, 31693..31809, 32674..32841, 32718..32840, 32942..33160, 32953..33162, 36160..36207, 36160..36258, 36161..36256, 37643..37717, 37644..37715, 38606..38782, 38607..38783		

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o12.ts
 Start 30279
 GI none
 Exons 30279..30512, 30280..30513

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Soybean
 End 30513
 Score 188

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o7.tc
 Start 30282
 GI none
 Exons 30282..30518, 30340..30489

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Cress
 End 30518
 Score 167

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o6.ts
 Start 31248
 GI none
 Exons 31248..31340, 31249..31341, 31441..31566, 31445..31609, 32692..32841, 32718..32840, 36163..36258, 36164..36256,

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Soybean
 End 38773
 Score 90

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o11.tw
 Start 31275
 GI none
 Exons 31275..31340, 31279..31341, 31448..31591, 31692..31733

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Wheat
 End 31733
 Score 48

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o4.ts
 Start 42221
 GI none
 Exons 42221..42358, 42368..42790, 42807..42959, 42971..43054

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Soybean
 End 43054
 Score 92

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o2.tc
 Start 42236
 GI none
 Exons 42236..42364, 42236..42367, 42611..42802, 42624..42770, 42966..43085, 43004..43093, 44093..44320, 44115..44264,

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Cress
 End 44416
 Score 53

Seq. No. 23285

Seq. ID OJ990605_42.9C03.C3

Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o5.tw	Method	TBLASTX:Wheat
Start	42524	End	42935
GI	none	Score	60
Exons	42524..42793, 42525..42596, 42547..42816, 42548..42793, 42621..42815, 42788..42934, 42798..42935		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o6.tm	Method	TBLASTX:Maize
Start	42545	End	43096
GI	none	Score	88
Exons	42545..42988, 43004..43096		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o19.tm	Method	TBLASTX:Maize
Start	50217	End	50639
GI	none	Score	73
Exons	50217..50297, 50217..50297, 50380..50472, 50454..50501, 50454..50504, 50455..50505, 50578..50634, 50582..50638, 50583..50639		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o4.tm	Method	TBLASTX:Maize
Start	50640	End	51995
GI	none	Score	44
Exons	50640..50681, 50641..50676, 50763..50837, 50768..50839, 50768..50833, 50901..51107, 50915..51130, 50923..51108, 51185..51328, 51187..51339, 51196..51345, 51760..51906, 51761..51994, 51762..51995		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o10.tc	Method	TBLASTX:Cress
Start	50765	End	51070
GI	none	Score	123
Exons	50765..50833, 50915..50959, 50966..51070		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o11.ts	Method	TBLASTX:Soybean
Start	50885	End	52015
GI	none	Score	88
Exons	50885..51070, 50895..51080, 51184..51324, 51764..51901, 51783..51950, 51980..52015		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986

Name	OJ990605_42.9C03.C3.o15.tm	Method	TBLASTX:Maize
Start	52090	End	53239
GI	none	Score	174
Exons	52090..52239, 52091..52240, 52134..52253, 52237..52329, 52238..52330, 52747..52953, 52833..52949, 53156..53239		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o17.tm	Method	TBLASTX:Maize
Start	65255	End	65715
GI	none	Score	106
Exons	65255..65296, 65413..65595, 65605..65715		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o8.tm	Method	TBLASTX:Maize
Start	66544	End	67057
GI	none	Score	61
Exons	66544..66630, 66675..66725, 66676..66723, 66750..66854, 66751..66843, 66918..67052, 66919..67050, 66929..67057		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o13.ts	Method	TBLASTX:Soybean
Start	66690	End	67146
GI	none	Score	53
Exons	66690..66743, 66741..66839, 66763..66840, 66939..67145, 66940..67146		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o13.tm	Method	TBLASTX:Maize
Start	67065	End	67544
GI	none	Score	65
Exons	67065..67148, 67066..67146, 67215..67544, 67216..67323, 67381..67530		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o10.tw	Method	TBLASTX:Wheat
Start	86593	End	86958
GI	none	Score	262
Exons	86593..86958, 86598..86699		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o16.tm	Method	TBLASTX:Maize
Start	86839	End	87240
GI	none	Score	241
Exons	86839..87240		

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o18.tm
 Start 87549
 GI none
 Exons 87549..87662, 87550..87873

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Maize
 End 87873
 Score 206

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o9.tw
 Start 87555
 GI none
 Exons 87555..87710, 87556..87777, 87786..87905, 87790..87954

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Wheat
 End 87954
 Score 166

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o20.tm
 Start 87973
 GI none
 Exons 87973..88170, 88023..88169

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Maize
 End 88170
 Score 200

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o4.tw
 Start 88101
 GI none
 Exons 88101..88556, 88102..88584

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Wheat
 End 88584
 Score 533

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o11.tm
 Start 88171
 GI none
 Exons 88171..88638, 88242..88601

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Maize
 End 88638
 Score 385

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o3.ts
 Start 88525
 GI none
 Exons 88525..88557, 88542..88919, 88561..88920

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Soybean
 End 88920
 Score 56

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o7.tw
 Start 88633
 GI none
 Exons 88633..88929, 88650..88919

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Wheat
 End 88929
 Score 367

Seq. No. 23285

Seq. ID OJ990605_42.9C03.C3

Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o14.tm
 Start 88654
 GI none
 Exons 88654..89001, 88680..89000

Strand -
 End 92986
 Method TBLASTX:Maize
 End 89001
 Score 307

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o2.tw
 Start 88935
 GI none
 Exons 88935..89324, 88936..89361, 88993..89346, 88997..89359

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Wheat
 End 89361
 Score 606

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o14.ts
 Start 88942
 GI none
 Exons 88942..89187

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Soybean
 End 89187
 Score 213

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o5.tm
 Start 89008
 GI none
 Exons 89008..89361, 89010..89309, 89030..89356

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Maize
 End 89361
 Score 474

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o3.tw
 Start 89404
 GI none
 Exons 89404..89928, 89556..89924

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Wheat
 End 89928
 Score 576

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o9.tc
 Start 89635
 GI none
 Exons 89635..89808, 89656..89754, 89809..89952, 89811..89936

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Cress
 End 89952
 Score 103

Seq. No. 23285
 Gene No. 48480
 Start 92007
 Name OJ990605_42.9C03.C3.o9.ts
 Start 89721
 GI none
 Exons 89721..89966, 89728..89976, 89848..89976

Seq. ID OJ990605_42.9C03.C3
 Strand -
 End 92986
 Method TBLASTX:Soybean
 End 89976
 Score 294

Seq. No. 23285
 Gene No. 48480

Seq. ID OJ990605_42.9C03.C3
 Strand -

Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o12.tm	Method	TBLASTX:Maize
Start	89774	End	90066
GI	none	Score	80
Exons	89774..89908, 89776..90066, 89787..89966, 90018..90062		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	89935	End	90561
GI	none	Score	667
Exons	89935..90561, 90030..90437		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	90117	End	90711
GI	none	Score	79
Exons	90117..90266, 90118..90276, 90123..90269, 90273..90455, 90273..90416, 90274..90711, 90492..90701		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o6.tw	Method	TBLASTX:Wheat
Start	90562	End	90894
GI	none	Score	379
Exons	90562..90894, 90601..90873		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o21.tm	Method	TBLASTX:Maize
Start	90721	End	90879
GI	none	Score	193
Exons	90721..90879		

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o15.np	Method	AAT/NAP
Start	91101	End	92986
GI	6907086	Score	1340
Exons	91101..91202, 91240..91336, 91431..91593, 91644..91707, 91942..92155, 92215..92986		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	23285	Seq. ID	OJ990605_42.9C03.C3
Gene No.	48480	Strand	-
Start	92007	End	92986
Name	OJ990605_42.9C03.C3.o20.gs	Method	GENSCAN
Start	92007	End	92857
GI	none	Score	.47
Exons	92007..92095, 92269..92857		

Seq. No. 23286
 Gene No. 48481
 Start 211
 Name OJ990605_42.9C03.C4.o1.gs
 Start 211
 GI none
 Exons 211..408

Seq. ID OJ990605_42.9C03.C4
 Strand +
 End 408
 Method GENSCAN
 End 408
 Score .48

Seq. No. 23286
 Gene No. 48482
 Start 1670
 Name OJ990605_42.9C03.C4.o1.gp
 Start 1670
 GI 47645_1.R1084
 Exons 1670..1799, 2337..2450, 3042..3103, 3550..3662, 3885..3987, 4346..4420

Seq. ID OJ990605_42.9C03.C4
 Strand +
 End 5950
 Method AAT/GAP
 End 4420
 Score 1074

GI Descrip. '1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon
 4-coumarate-CoA ligase gene, intron 1, partial sequence'

Seq. No. 23286
 Gene No. 48482
 Start 1670
 Name OJ990605_42.9C03.C4.o3.gs
 Start 2261
 GI none
 Exons 2261..2495, 3042..3103, 3550..3662, 3885..3987, 4346..4573, 4654..4872, 4962..5222, 5251..5494, 5617..5636

Seq. ID OJ990605_42.9C03.C4
 Strand +
 End 5950
 Method GENSCAN
 End 5636
 Score .79

Seq. No. 23286
 Gene No. 48482
 Start 1670
 Name OJ990605_42.9C03.C4.o1.np
 Start 2342
 GI 3142294
 Exons 2342..2450, 3042..3103, 3550..3662, 3885..3987, 4346..4573, 4654..4872, 4962..5222, 5299..5598

Seq. ID OJ990605_42.9C03.C4
 Strand +
 End 5950
 Method AAT/NAP
 End 5598
 Score 1969

GI Descrip. (AC002411) Strong similarity to initiation factor eIF-2,
 gb|U37354 from S. pombe. ESTs gb|T41979, gb|N37284 and
 gb|N37529 come from this gene. [Arabidopsis thaliana]

Seq. No. 23286
 Gene No. 48482
 Start 1670
 Name OJ990605_42.9C03.C4.o2.gp
 Start 4670
 GI 504_1.R1084
 Exons 4670..4872, 4962..5264

Seq. ID OJ990605_42.9C03.C4
 Strand +
 End 5950
 Method AAT/GAP
 End 5264
 Score 720

GI Descrip. '3142294 2.0e-70 (AC002411) Strong similarity to initiation
 factor eIF-2, gb_U37354 from S. pombe. ESTs gb_T41979,
 gb_N37284 and gb_N37529 come from this gene. [Arabidopsis
 thaliana]'

Seq. No. 23286
 Gene No. 48482
 Start 1670
 Name OJ990605_42.9C03.C4.o3.gp
 Start 5106

Seq. ID OJ990605_42.9C03.C4
 Strand +
 End 5950
 Method AAT/GAP
 End 5950

GI 77568.1.R1084 Score 1456
 Exons 5106..5222, 5299..5950
 GI Descrip. '3142294 1.0e-68 (AC002411) Strong similarity to initiation factor eIF-2, gb_U37354 from S. pombe. ESTs gb_T41979, gb_N37284 and gb_N37529 come from this gene. [Arabidopsis thaliana]'

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
 Gene No. 48483 Strand +
 Start 6250 End 6532
 Name OJ990605_42.9C03.C4.o4.gp Method AAT/GAP
 Start 6250 End 6532
 GI uC-osflm202113c12b1 Score 530
 Exons 6250..6532
 GI Descrip. '2280517/dbj|AB005878|AB005878 3.0e-24 Nicotiana tabacum mRNA for BYJ15, partial cds'

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
 Gene No. 48484 Strand -
 Start 1487 End 1983
 Name OJ990605_42.9C03.C4.o2.gs Method GENSCAN
 Start 1487 End 1983
 GI none Score .93
 Exons 1487..1561, 1648..1983

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
 Gene No. 48485 Strand -
 Start 6408 End 11929
 Name OJ990605_42.9C03.C4.o1.tm Method TBLASTX:Maize
 Start 2317 End 5625
 GI none Score 167
 Exons 2317..2454, 2318..2452, 2362..2454, 3031..3102, 3037..3102, 3041..3109, 3539..3661, 3549..3662, 3549..3662, 3550..3663, 3870..3986, 3871..3987, 3884..3991, 4326..4574, 4339..4578, 4344..4574, 4345..4584, 4346..4585, 4648..4872, 4653..4871, 4663..4902, 4944..5225, 4961..5221, 5239..5595, 5249..5614, 5296..5625, 5298..5606

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
 Gene No. 48485 Strand -
 Start 6408 End 11929
 Name OJ990605_42.9C03.C4.o1.ts Method TBLASTX:Soybean
 Start 2344 End 5328
 GI none Score 163
 Exons 2344..2454, 2345..2452, 3031..3099, 3041..3109, 3546..3662, 3547..3663, 3549..3662, 3550..3663, 3870..3977, 3870..3986, 3871..3987, 3871..3987, 3884..4000, 3887..3988, 4344..4556, 4345..4584, 4346..4585, 4632..4871, 4648..4872, 4650..4871, 4899..5159, 4926..5183, 4961..5182, 5172..5225, 5174..5224, 5296..5328

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
 Gene No. 48485 Strand -
 Start 6408 End 11929
 Name OJ990605_42.9C03.C4.o4.tc Method TBLASTX:Cress
 Start 2354 End 3983
 GI none Score 139

Exons 2354..2452, 2356..2454, 3031..3099, 3037..3096, 3041..3109,
3536..3661, 3539..3661, 3546..3662, 3547..3663, 3550..3663,
3564..3689, 3870..3983, 3871..3981

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
Gene No. 48485 Strand -
Start 6408 End 11929
Name OJ990605_42.9C03.C4.o2.tw Method TBLASTX:Wheat
Start 3871 End 4526
GI none Score 56
Exons 3871..3915, 3879..3908, 3884..3910, 3912..3977, 3918..3986,
3919..3987, 4319..4525, 4350..4526, 4351..4524

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
Gene No. 48485 Strand -
Start 6408 End 11929
Name OJ990605_42.9C03.C4.o1.tc Method TBLASTX:Cress
Start 4451 End 5054
GI none Score 178
Exons 4451..4585, 4453..4584, 4454..4588, 4648..4872, 4656..4868,
4961..4981, 4985..5053, 4986..5054

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
Gene No. 48485 Strand -
Start 6408 End 11929
Name OJ990605_42.9C03.C4.o1.tw Method TBLASTX:Wheat
Start 5072 End 5519
GI none Score 246
Exons 5072..5221, 5073..5225, 5073..5225, 5291..5503, 5296..5517,
5298..5519

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
Gene No. 48485 Strand -
Start 6408 End 11929
Name OJ990605_42.9C03.C4.o2.tc Method TBLASTX:Cress
Start 5193 End 5609
GI none Score 50
Exons 5193..5225, 5296..5601, 5301..5609, 5304..5594

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
Gene No. 48485 Strand -
Start 6408 End 11929
Name OJ990605_42.9C03.C4.o2.ts Method TBLASTX:Soybean
Start 5328 End 5705
GI none Score 413
Exons 5328..5594, 5329..5595, 5636..5704, 5649..5705, 5649..5705

Seq. No. 23286 Seq. ID OJ990605_42.9C03.C4
Gene No. 48485 Strand -
Start 6408 End 11929
Name OJ990605_42.9C03.C4.o2.np Method AAT/NAP
Start 6324 End 11822
GI 5263321 Score 1231
Exons 6324..6719, 6814..6989, 8139..8285, 8521..8697, 9163..9236,
9360..9705, 10588..11147, 11252..11822

GI Descrip. (AC007727) Contains similarity to gb|AF033823 moira protein from
Drosophila melanogaster and contains a PF|00249 Myb-like

DNA-binding domain. EST:gb|Z25609 comes from this gene.
[Arabidopsis thaliana]

Seq. No.	23286	Seq. ID	OJ990605_42.9C03.C4
Gene No.	48485	Strand	-
Start	6408	End	11929
Name	OJ990605_42.9C03.C4.o4.gs	Method	GENSCAN
Start	6408	End	11929
GI	none	Score	.71
Exons	6408..6989, 8139..8316, 8609..8742, 9163..9705, 10588..11147, 11252..11806, 11899..11929		
Seq. No.	23286	Seq. ID	OJ990605_42.9C03.C4
Gene No.	48485	Strand	-
Start	6408	End	11929
Name	OJ990605_42.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	8136	End	9234
GI	none	Score	142
Exons	8136..8294, 8139..8294, 8373..8429, 8374..8421, 9157..9234		
Seq. No.	23286	Seq. ID	OJ990605_42.9C03.C4
Gene No.	48485	Strand	-
Start	6408	End	11929
Name	OJ990605_42.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	8647	End	10939
GI	none	Score	263
Exons	8647..8697, 9349..9711, 9349..9711, 10564..10662, 10574..10663, 10675..10938, 10676..10939		
Seq. No.	23286	Seq. ID	OJ990605_42.9C03.C4
Gene No.	48485	Strand	-
Start	6408	End	11929
Name	OJ990605_42.9C03.C4.o3.ts	Method	TBLASTX:Soybean
Start	9389	End	9597
GI	none	Score	181
Exons	9389..9562, 9391..9588, 9420..9596, 9421..9597		
Seq. No.	23286	Seq. ID	OJ990605_42.9C03.C4
Gene No.	48485	Strand	-
Start	6408	End	11929
Name	OJ990605_42.9C03.C4.o3.tc	Method	TBLASTX:Cress
Start	10969	End	11149
GI	none	Score	159
Exons	10969..11148, 10970..11149		
Seq. No.	23287	Seq. ID	OJ990605_42.9C03.C5
Gene No.	48486	Strand	+
Start	7575	End	10688
Name	OJ990605_42.9C03.C5.o2.gs	Method	GENSCAN
Start	7575	End	10688
GI	none	Score	.52
Exons	7575..7715, 8300..8378, 8480..8562, 8686..8761, 9189..9356, 9883..10367, 10457..10581, 10655..10688		
Seq. No.	23287	Seq. ID	OJ990605_42.9C03.C5
Gene No.	48487	Strand	-
Start	288	End	16047

Name OJ990605_42.9C03.C5.o1.np Method AAT/NAP
 Start 288 End 12184
 GI 5295971 Score 3605
 Exons 288..3585, 3613..4513, 5204..5358, 11859..12184
 GI Descrip. (AB026295) EST D24315(R1718) corresponds to a region of the
 predicted gene.; Similar to Tobacco DNA for retroviral-like
 transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No. 23287 Seq. ID OJ990605_42.9C03.C5
 Gene No. 48487 Strand -
 Start 288 End 16047
 Name OJ990605_42.9C03.C5.o2.ts Method TBLASTX:Soybean
 Start 318 End 959
 GI none Score 112
 Exons 318..959, 373..705

Seq. No. 23287 Seq. ID OJ990605_42.9C03.C5
 Gene No. 48487 Strand -
 Start 288 End 16047
 Name OJ990605_42.9C03.C5.o1.tc Method TBLASTX:Cress
 Start 321 End 980
 GI none Score 84
 Exons 321..539, 325..531, 342..536, 576..689, 687..791, 798..980

Seq. No. 23287 Seq. ID OJ990605_42.9C03.C5
 Gene No. 48487 Strand -
 Start 288 End 16047
 Name OJ990605_42.9C03.C5.o6.tm Method TBLASTX:Maize
 Start 322 End 558
 GI none Score 136
 Exons 322..558, 324..554

Seq. No. 23287 Seq. ID OJ990605_42.9C03.C5
 Gene No. 48487 Strand -
 Start 288 End 16047
 Name OJ990605_42.9C03.C5.o1.gs Method GENSCAN
 Start 326 End 6808
 GI none Score .4
 Exons 326..2201, 2223..4682, 5351..5643, 6199..6477, 6790..6808

Seq. No. 23287 Seq. ID OJ990605_42.9C03.C5
 Gene No. 48487 Strand -
 Start 288 End 16047
 Name OJ990605_42.9C03.C5.o4.tw Method TBLASTX:Wheat
 Start 351 End 776
 GI none Score 51
 Exons 351..530, 358..531, 567..776, 568..687

Seq. No. 23287 Seq. ID OJ990605_42.9C03.C5
 Gene No. 48487 Strand -
 Start 288 End 16047
 Name OJ990605_42.9C03.C5.o1.tm Method TBLASTX:Maize
 Start 570 End 1019
 GI none Score 143
 Exons 570..785, 571..726, 590..796, 783..1019, 820..1011

Seq. No. 23287 Seq. ID OJ990605_42.9C03.C5

Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o6.tw
 Start 828
 GI none
 Exons 828..980, 1005..1109

Strand -
 End 16047
 Method TBLASTX:Wheat
 End 1109
 Score 62

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o5.tm
 Start 1023
 GI none
 Exons 1023..1286, 1024..1203

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Maize
 End 1286
 Score 138

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o1.tw
 Start 1119
 GI none
 Exons 1119..1337, 1323..1667, 1405..1512, 1537..1668

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Wheat
 End 1668
 Score 40

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o1.ts
 Start 1350
 GI 5509260
 Exons 1350..1874, 1366..1755
 GI Descrip. -

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Soybean
 End 1874
 Score 171

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o3.tc
 Start 1449
 GI none
 Exons 1449..1709, 1483..1710

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Cress
 End 1710
 Score 103

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o3.tm
 Start 1488
 GI none
 Exons 1488..1808, 1489..1749

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Maize
 End 1808
 Score 251

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o3.ts
 Start 2190
 GI none
 Exons 2190..2378, 2223..2669, 2374..2664

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Soybean
 End 2669
 Score 48

Seq. No. 23287

Seq. ID OJ990605_42.9C03.C5

Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o2.tc
 Start 2217
 GI none
 Exons 2217..2654

Strand -
 End 16047
 Method TBLASTX:Cress
 End 2654
 Score 256

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o2.tm
 Start 2271
 GI none
 Exons 2271..2342, 2355..2696, 2365..2433, 2412..2681, 2476..2700

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Maize
 End 2700
 Score 46

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o3.tw
 Start 2343
 GI none
 Exons 2343..2432, 2359..2433, 2442..2705, 2479..2688, 2763..2903

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Wheat
 End 2903
 Score 42

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o4.ts
 Start 2763
 GI none
 Exons 2763..3038, 2862..2942

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Soybean
 End 3038
 Score 197

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o2.tw
 Start 2988
 GI none
 Exons 2988..3062, 3063..3428, 3148..3414

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Wheat
 End 3428
 Score 115

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o4.tm
 Start 3041
 GI none
 Exons 3041..3136, 3042..3440, 3042..3197, 3043..3450, 3220..3363, 3231..3449, 3426..3512

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Maize
 End 3512
 Score 138

Seq. No. 23287
 Gene No. 48487
 Start 288
 Name OJ990605_42.9C03.C5.o7.tm
 Start 3942
 GI none
 Exons 3942..4268, 3943..4269

Seq. ID OJ990605_42.9C03.C5
 Strand -
 End 16047
 Method TBLASTX:Maize
 End 4269
 Score 93

Seq. No. 23287
 Seq. ID OJ990605_42.9C03.C5

Gene No.	48487	Strand	-
Start	288	End	16047
Name	OJ990605_42.9C03.C5.o5.tw	Method	TBLASTX:Wheat
Start	3993	End	4343
GI	none	Score	201
Exons	3993..4343		

Seq. No.	23287	Seq. ID	OJ990605_42.9C03.C5
Gene No.	48487	Strand	-
Start	288	End	16047
Name	OJ990605_42.9C03.C5.o3.gs	Method	GENSCAN
Start	11207	End	16047
GI	none	Score	.71
Exons	11207..11373, 11499..11691, 11736..11987, 12006..12266, 12799..13059, 15409..15434, 15490..16047		

Seq. No.	23288	Seq. ID	OJ990605_42.9C03.C6
Gene No.	48488	Strand	-
Start	1	End	110
Name	OJ990605_42.9C03.C6.o1.gp	Method	AAT/GAP
Start	1	End	110
GI	2310877	Score	182
Exons	1..110		

Seq. No.	23288	Seq. ID	OJ990605_42.9C03.C6
Gene No.	48489	Strand	-
Start	12	End	140
Name	OJ990605_42.9C03.C6.o1.gs	Method	GENSCAN
Start	12	End	140
GI	none	Score	.45
Exons	12..140		

Seq. No.	23289	Seq. ID	OJ990605_42.9C03.C7
Gene No.	48490	Strand	-
Start	1	End	323
Name	OJ990605_42.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	323
GI	2498930	Score	184
Exons	1..96, 264..323		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	23289	Seq. ID	OJ990605_42.9C03.C7
Gene No.	48490	Strand	-
Start	1	End	323
Name	OJ990605_42.9C03.C7.o1.gs	Method	GENSCAN
Start	52	End	323
GI	none	Score	.93
Exons	52..96, 264..323		

Seq. No.	23290	Seq. ID	OJ990815_48.9C17.C1
Gene No.	48491	Strand	+
Start	471	End	1108
Name	OJ990815_48.9C17.C1.o1.np	Method	AAT/NAP
Start	471	End	1108
GI	2498930	Score	749
Exons	471..534, 702..1108		

GI Descrip. DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.	23290	Seq. ID	OJ990815_48.9C17.C1
Gene No.	48491	Strand	+
Start	471	End	1108
Name	OJ990815_48.9C17.C1.o1.gs	Method	GENSCAN
Start	475	End	1096
GI	none	Score	1
Exons	475..534, 702..1096		

Seq. No.	23291	Seq. ID	OJ990815_48.9C17.C3
Gene No.	48492	Strand	-
Start	1	End	3284
Name	OJ990815_48.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	3284
GI	6665549	Score	68
Exons	1..41, 2571..2688, 3233..3284		
GI Descrip.	(AC013289) putative cullin [Arabidopsis thaliana]		

Seq. No.	23291	Seq. ID	OJ990815_48.9C17.C3
Gene No.	48492	Strand	-
Start	1	End	3284
Name	OJ990815_48.9C17.C3.o1.gp	Method	AAT/GAP
Start	32	End	2001
GI	2800878	Score	253
Exons	32..91, 1385..1425, 1910..2001		
GI Descrip.	2280517/dbj AB005878 AB005878 3.0e-24 Nicotiana tabacum mRNA for BYJ15, partial cds		

Seq. No.	23292	Seq. ID	OJ990815_48.9C17.C4
Gene No.	48493	Strand	+
Start	304	End	3081
Name	OJ990815_48.9C17.C4.o1.gs	Method	GENSCAN
Start	304	End	3081
GI	none	Score	.43
Exons	304..441, 458..547, 573..818, 1165..1520, 2316..2494, 2633..3081		

Seq. No.	23292	Seq. ID	OJ990815_48.9C17.C4
Gene No.	48494	Strand	+
Start	8331	End	9087
Name	OJ990815_48.9C17.C4.o1.gp	Method	AAT/GAP
Start	6305	End	6600
GI	61605_3.R1084	Score	455
Exons	6305..6600		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	23292	Seq. ID	OJ990815_48.9C17.C4
Gene No.	48494	Strand	+
Start	8331	End	9087
Name	OJ990815_48.9C17.C4.o3.gs	Method	GENSCAN
Start	8331	End	9087
GI	none	Score	.53
Exons	8331..8551, 8571..9087		

Seq. No.	23292	Seq. ID	OJ990815_48.9C17.C4
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Gene No. 48495
 Start 10064
 Name OJ990815_48.9C17.C4.o2.gp
 Start 10035
 GI 2428763
 Exons 10035..10489

Strand +
 End 10489
 Method AAT/GAP
 End 10489
 Score 852

Seq. No. 23292
 Gene No. 48495
 Start 10064
 Name OJ990815_48.9C17.C4.o4.gs
 Start 10064
 GI none
 Exons 10064..10453

Seq. ID OJ990815_48.9C17.C4
 Strand +
 End 10489
 Method GENSCAN
 End 10453
 Score .75

Seq. No. 23292
 Gene No. 48496
 Start 618
 Name OJ990815_48.9C17.C4.o1.np
 Start 618
 GI 6523547
 Exons 618..964, 1186..1602, 8440..8582, 8663..8796, 12218..12354
 GI Descrip. (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]

Seq. ID OJ990815_48.9C17.C4
 Strand -
 End 12354
 Method AAT/NAP
 End 12354
 Score 402

Seq. No. 23292
 Gene No. 48496
 Start 618
 Name OJ990815_48.9C17.C4.o1.ts
 Start 2577
 GI none
 Exons 2577..2699, 2578..2790, 2797..2931

Seq. ID OJ990815_48.9C17.C4
 Strand -
 End 12354
 Method TBLASTX:Soybean
 End 2931
 Score 124

Seq. No. 23292
 Gene No. 48496
 Start 618
 Name OJ990815_48.9C17.C4.o1.tw
 Start 2737
 GI none
 Exons 2737..2784, 2779..3078, 2787..3065, 2788..3081, 2915..3085

Seq. ID OJ990815_48.9C17.C4
 Strand -
 End 12354
 Method TBLASTX:Wheat
 End 3085
 Score 68

Seq. No. 23292
 Gene No. 48496
 Start 618
 Name OJ990815_48.9C17.C4.o1.tm
 Start 2782
 GI none
 Exons 2782..3045, 2787..3047

Seq. ID OJ990815_48.9C17.C4
 Strand -
 End 12354
 Method TBLASTX:Maize
 End 3047
 Score 348

Seq. No. 23292
 Gene No. 48496
 Start 618
 Name OJ990815_48.9C17.C4.o2.gs
 Start 3334
 GI none
 Exons 3334..4194, 4291..4324, 4718..4846, 5248..5261

Seq. ID OJ990815_48.9C17.C4
 Strand -
 End 12354
 Method GENSCAN
 End 5261
 Score .84

Seq. No.	23293	Seq. ID	OJ990815_48.9C17.C5
Gene No.	48497	Strand	+
Start	1	End	1325
Name	OJ990815_48.9C17.C5.o1.np	Method	AAT/NAP
Start	1	End	730
GI	5042454	Score	241
Exons	1..41, 267..442, 677..730		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23293	Seq. ID	OJ990815_48.9C17.C5
Gene No.	48497	Strand	+
Start	1	End	1325
Name	OJ990815_48.9C17.C5.o1.gs	Method	GENSCAN
Start	386	End	1325
GI	none	Score	.43
Exons	386..442, 598..935, 1166..1325		

Seq. No.	23293	Seq. ID	OJ990815_48.9C17.C5
Gene No.	48498	Strand	+
Start	6206	End	10165
Name	OJ990815_48.9C17.C5.o3.gs	Method	GENSCAN
Start	6206	End	10165
GI	none	Score	.78
Exons	6206..6212, 6766..6813, 8028..8297, 8747..8805, 10001..10165		

Seq. No.	23293	Seq. ID	OJ990815_48.9C17.C5
Gene No.	48499	Strand	+
Start	14596	End	14997
Name	OJ990815_48.9C17.C5.o5.gp	Method	AAT/GAP
Start	14596	End	14997
GI	LIB3432-059-P1-K1-D8	Score	726
Exons	14596..14997		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	23293	Seq. ID	OJ990815_48.9C17.C5
Gene No.	48500	Strand	-
Start	4038	End	4274
Name	OJ990815_48.9C17.C5.o2.gp	Method	AAT/GAP
Start	2961	End	3093
GI	2310968	Score	171
Exons	2961..3093		

Seq. No.	23293	Seq. ID	OJ990815_48.9C17.C5
Gene No.	48500	Strand	-
Start	4038	End	4274
Name	OJ990815_48.9C17.C5.o2.gs	Method	GENSCAN
Start	4038	End	4274
GI	none	Score	.97
Exons	4038..4274		

Seq. No.	23293	Seq. ID	OJ990815_48.9C17.C5
Gene No.	48501	Strand	-
Start	6889	End	7046
Name	OJ990815_48.9C17.C5.o2.np	Method	AAT/NAP
Start	6889	End	7046
GI	4234848	Score	73

Exons 6889..7046
 GI Descrip. (AF082131) gag-pol polyprotein [Zea mays]

Seq. No.	23293	Seq. ID	OJ990815_48.9C17.C5
Gene No.	48502	Strand	-
Start	10357	End	10869
Name	OJ990815_48.9C17.C5.o3.gp	Method	AAT/GAP
Start	10357	End	10869
GI	LIB3432-059-P1-K1-D8	Score	713
Exons	10357..10378, 10458..10869		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	23293	Seq. ID	OJ990815_48.9C17.C5
Gene No.	48503	Strand	-
Start	12387	End	14631
Name	OJ990815_48.9C17.C5.o4.gs	Method	GENSCAN
Start	12387	End	14631
GI	none	Score	.78
Exons	12387..12532, 13735..14024, 14288..14631		

Seq. No.	23294	Seq. ID	OJ990815_48.9C17.C6
Gene No.	48504	Strand	+
Start	1243	End	1501
Name	OJ990815_48.9C17.C6.o1.gs	Method	GENSCAN
Start	1243	End	1501
GI	none	Score	.6
Exons	1243..1501		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48505	Strand	+
Start	1	End	6794
Name	OJ990815_48.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	4673
GI	2244898	Score	1681
Exons	1..73, 1859..1948, 2006..3071, 4299..4673		
GI Descrip.	(Z97338) phosphatase like protein [Arabidopsis thaliana]		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48505	Strand	+
Start	1	End	6794
Name	OJ990815_48.9C17.C7.o1.gs	Method	GENSCAN
Start	1866	End	6794
GI	none	Score	.85
Exons	1866..3071, 4299..4605, 6682..6794		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48505	Strand	+
Start	1	End	6794
Name	OJ990815_48.9C17.C7.o1.gp	Method	AAT/GAP
Start	2424	End	3053
GI	13604_1.R1084	Score	1252
Exons	2424..3053		
GI Descrip.	'2244898/emb CAB10320.1 1.0e-108 (Z97338) phosphatase like protein [Arabidopsis thaliana]'		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
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Gene No.	48506	Strand	+
Start	11233	End	13648
Name	OJ990815_48.9C17.C7.o2.np	Method	AAT/NAP
Start	10971	End	13648
GI	2213601	Score	1010
Exons	10971..11036, 12149..12677, 12708..13648		
GI Descrip.	(AC000348) T7N9.21 [Arabidopsis thaliana]		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48506	Strand	+
Start	11233	End	13648
Name	OJ990815_48.9C17.C7.o3.gs	Method	GENSCAN
Start	11233	End	13633
GI	none	Score	.6
Exons	11233..11425, 12072..12975, 13048..13163, 13203..13633		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48506	Strand	+
Start	11233	End	13648
Name	OJ990815_48.9C17.C7.o4.gp	Method	AAT/GAP
Start	12814	End	13360
GI	LIB3475-003-P1-K2-H1	Score	1077
Exons	12814..13360		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48507	Strand	+
Start	21605	End	26241
Name	OJ990815_48.9C17.C7.o6.gs	Method	GENSCAN
Start	21605	End	24740
GI	none	Score	.64
Exons	21605..21668, 23932..24740		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48507	Strand	+
Start	21605	End	26241
Name	OJ990815_48.9C17.C7.o3.np	Method	AAT/NAP
Start	24072	End	26241
GI	6522936	Score	96
Exons	24072..24465, 26155..26241		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48508	Strand	+
Start	34695	End	38992
Name	OJ990815_48.9C17.C7.o10.gs	Method	GENSCAN
Start	34695	End	38180
GI	none	Score	.45
Exons	34695..34813, 34916..36288, 36504..36676, 36752..36927, 37063..38180		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48508	Strand	+
Start	34695	End	38992
Name	OJ990815_48.9C17.C7.o5.np	Method	AAT/NAP
Start	34704	End	38992

GI 6705984 Score 4511
 Exons 34704..38378, 38892..38992
 GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
 Gene No. 48509 Strand -
 Start 4727 End 5195
 Name OJ990815_48.9C17.C7.o2.gp Method AAT/GAP
 Start 4727 End 5195
 GI none Score 925
 Exons 4727..5195

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
 Gene No. 48510 Strand -
 Start 7597 End 8308
 Name OJ990815_48.9C17.C7.o2.gs Method GENSCAN
 Start 7597 End 8308
 GI none Score .65
 Exons 7597..7754, 8305..8308

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
 Gene No. 48510 Strand -
 Start 7597 End 8308
 Name OJ990815_48.9C17.C7.o3.gp Method AAT/GAP
 Start 7678 End 7855
 GI 2796573 Score 327
 Exons 7678..7855

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
 Gene No. 48511 Strand -
 Start 16720 End 18085
 Name OJ990815_48.9C17.C7.o4.gs Method GENSCAN
 Start 16720 End 18085
 GI none Score .87
 Exons 16720..16837, 17721..18085

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
 Gene No. 48512 Strand -
 Start 30669 End 31773
 Name OJ990815_48.9C17.C7.o9.gs Method GENSCAN
 Start 30669 End 31773
 GI none Score .91
 Exons 30669..30774, 31412..31773

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
 Gene No. 48513 Strand -
 Start 38481 End 38992
 Name OJ990815_48.9C17.C7.o1.ts Method TBLASTX:Soybean
 Start 2044 End 2801
 GI none Score 43
 Exons 2044..2085, 2114..2551, 2115..2801, 2117..2356, 2118..2801

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
 Gene No. 48513 Strand -
 Start 38481 End 38992
 Name OJ990815_48.9C17.C7.o2.tm Method TBLASTX:Maize
 Start 2085 End 4625

GI	none	Score	1386
Exons	2085..3074, 2117..2353, 2317..3072, 2447..3073, 4287..4571, 4292..4465, 4292..4594, 4296..4625		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o3.tw	Method	TBLASTX:Wheat
Start	2090	End	2564
GI	none	Score	229
Exons	2090..2563, 2091..2564, 2092..2286, 2117..2353, 2268..2564		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	2111	End	4625
GI	none	Score	1342
Exons	2111..2356, 2112..3074, 2456..2527, 2588..3073, 4292..4570, 4292..4624, 4296..4625		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	2574	End	3017
GI	none	Score	629
Exons	2574..2942, 2577..2948, 2591..2947, 2945..2968, 2960..3016, 2961..3017		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o3.ts	Method	TBLASTX:Soybean
Start	2802	End	4340
GI	none	Score	404
Exons	2802..3074, 2804..3073, 4296..4340		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o6.tw	Method	TBLASTX:Wheat
Start	4301	End	4582
GI	none	Score	430
Exons	4301..4483, 4302..4580, 4302..4574, 4303..4581, 4544..4582		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o6.ts	Method	TBLASTX:Soybean
Start	4340	End	4614
GI	none	Score	296
Exons	4340..4609, 4341..4610, 4342..4614		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992

Name	OJ990815_48.9C17.C7.o5.tm	Method	TBLASTX:Maize
Start	12340	End	12591
GI	none	Score	51
Exons	12340..12381, 12340..12582, 12341..12583, 12437..12583, 12456..12584, 12457..12591		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	12617	End	13851
GI	none	Score	218
Exons	12617..12787, 12618..12806, 12619..12786, 12806..13120, 12811..13119, 13118..13636, 13126..13635, 13242..13676, 13747..13851		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o2.tc	Method	TBLASTX:Cress
Start	12875	End	13413
GI	none	Score	321
Exons	12875..13120, 12967..13107, 13102..13263, 13106..13264, 13262..13342, 13322..13369, 13375..13413		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o2.ts	Method	TBLASTX:Soybean
Start	13139	End	13515
GI	none	Score	466
Exons	13139..13513, 13165..13515		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o9.tm	Method	TBLASTX:Maize
Start	17721	End	31716
GI	none	Score	67
Exons	17721..17825, 17722..17775, 17801..17893, 17801..17914, 17802..17906, 17899..17925, 17978..18025, 31412..31495, 31413..31466, 31492..31605, 31493..31597, 31669..31716		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o7.tm	Method	TBLASTX:Maize
Start	35133	End	35369
GI	none	Score	267
Exons	35133..35330, 35142..35369, 35144..35368		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o4.tw	Method	TBLASTX:Wheat
Start	35147	End	35707
GI	none	Score	201

Exons 35147..35338, 35148..35336, 35206..35337, 35337..35699,
35342..35707, 35343..35699, 35539..35700

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
Gene No. 48513 Strand -
Start 38481 End 38992
Name OJ990815_48.9C17.C7.o8.ts Method TBLASTX:Soybean
Start 35177 End 35573
GI none Score 131
Exons 35177..35311, 35178..35312, 35352..35573

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
Gene No. 48513 Strand -
Start 38481 End 38992
Name OJ990815_48.9C17.C7.o5.tw Method TBLASTX:Wheat
Start 36057 End 36538
GI none Score 330
Exons 36057..36320, 36077..36304, 36330..36500, 36344..36538,
36349..36510, 36357..36512

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
Gene No. 48513 Strand -
Start 38481 End 38992
Name OJ990815_48.9C17.C7.o6.tm Method TBLASTX:Maize
Start 36322 End 36541
GI none Score 278
Exons 36322..36507, 36323..36541, 36338..36532

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
Gene No. 48513 Strand -
Start 38481 End 38992
Name OJ990815_48.9C17.C7.o7.ts Method TBLASTX:Soybean
Start 36322 End 36538
GI none Score 269
Exons 36322..36492, 36323..36538, 36338..36532

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
Gene No. 48513 Strand -
Start 38481 End 38992
Name OJ990815_48.9C17.C7.o9.tw Method TBLASTX:Wheat
Start 36592 End 36775
GI none Score 181
Exons 36592..36771, 36593..36775

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
Gene No. 48513 Strand -
Start 38481 End 38992
Name OJ990815_48.9C17.C7.o8.tm Method TBLASTX:Maize
Start 36614 End 36865
GI none Score 67
Exons 36614..36709, 36722..36865, 36724..36864

Seq. No. 23295 Seq. ID OJ990815_48.9C17.C7
Gene No. 48513 Strand -
Start 38481 End 38992
Name OJ990815_48.9C17.C7.o7.tw Method TBLASTX:Wheat
Start 36821 End 37303

GI	none	Score	385
Exons	36821..37303, 36916..37269		
Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o4.tm	Method	TBLASTX:Maize
Start	36890	End	37357
GI	none	Score	394
Exons	36890..37357, 36965..37144, 37102..37326		
Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o5.ts	Method	TBLASTX:Soybean
Start	37280	End	37639
GI	none	Score	339
Exons	37280..37639, 37399..37626		
Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o8.tw	Method	TBLASTX:Wheat
Start	37352	End	37753
GI	none	Score	310
Exons	37352..37753, 37399..37752		
Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	37400	End	37903
GI	none	Score	414
Exons	37400..37903, 37441..37821		
Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o4.ts	Method	TBLASTX:Soybean
Start	37663	End	37920
GI	none	Score	349
Exons	37663..37920, 37664..37918, 37732..37920		
Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	37840	End	38266
GI	none	Score	713
Exons	37840..38265, 37841..38266		
Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o9.ts	Method	TBLASTX:Soybean
Start	37925	End	38124
GI	none	Score	161

Exons 37925..38029, 37939..38037, 38033..38119, 38035..38124

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o10.tm	Method	TBLASTX:Maize
Start	38188	End	38341
GI	none	Score	212
Exons	38188..38289, 38189..38341, 38196..38339, 38198..38341		

Seq. No.	23295	Seq. ID	OJ990815_48.9C17.C7
Gene No.	48513	Strand	-
Start	38481	End	38992
Name	OJ990815_48.9C17.C7.o6.np	Method	AAT/NAP
Start	38481	End	38992
GI	5042454	Score	248
Exons	38481..38534, 38823..38992		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48514	Strand	+
Start	836	End	13054
Name	OJ990815_48.9C17.C8.o1.gs	Method	GENSCAN
Start	836	End	4127
GI	none	Score	.89
Exons	836..965, 1032..2097, 2192..3427, 3467..4127		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48514	Strand	+
Start	836	End	13054
Name	OJ990815_48.9C17.C8.o1.np	Method	AAT/NAP
Start	836	End	4124
GI	6907089	Score	5013
Exons	836..2097, 2192..4124		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48514	Strand	+
Start	836	End	13054
Name	OJ990815_48.9C17.C8.o4.np	Method	AAT/NAP
Start	3036	End	8799
GI	6705984	Score	1637
Exons	3036..3071, 7768..8799		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48514	Strand	+
Start	836	End	13054
Name	OJ990815_48.9C17.C8.o3.gs	Method	GENSCAN
Start	8281	End	13054
GI	none	Score	.52
Exons	8281..8898, 8970..9200, 12147..12362, 13052..13054		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48515	Strand	+
Start	19220	End	21171
Name	OJ990815_48.9C17.C8.o6.gs	Method	GENSCAN

Start	19220	End	21171
GI	none	Score	.51
Exons	19220..19750, 20713..20811, 20926..21171		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48516	Strand	+
Start	26912	End	27264
Name	OJ990815_48.9C17.C8.o2.gp	Method	AAT/GAP
Start	26912	End	27264
GI	2309883	Score	521
Exons	26912..27264		
GI Descrip.	2149018/gb U70541 OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48517	Strand	+
Start	42415	End	43767
Name	OJ990815_48.9C17.C8.o10.gs	Method	GENSCAN
Start	42415	End	43767
GI	none	Score	.99
Exons	42415..42442, 42707..43767		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48517	Strand	+
Start	42415	End	43767
Name	OJ990815_48.9C17.C8.o7.np	Method	AAT/NAP
Start	42679	End	43764
GI	4581146	Score	1455
Exons	42679..43764		
GI Descrip.	(AC006919) putative fructose bisphosphate aldolase [Arabidopsis thaliana]		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48517	Strand	+
Start	42415	End	43767
Name	OJ990815_48.9C17.C8.o3.gp	Method	AAT/GAP
Start	42707	End	42925
GI	LIB3477-004-P1-K1-E7	Score	406
Exons	42707..42925		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48518	Strand	+
Start	45708	End	49521
Name	OJ990815_48.9C17.C8.o5.gp	Method	AAT/GAP
Start	45451	End	45972
GI	none	Score	781
Exons	45451..45580, 45675..45972		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48518	Strand	+
Start	45708	End	49521
Name	OJ990815_48.9C17.C8.o11.gs	Method	GENSCAN
Start	45708	End	49112
GI	none	Score	.69

Exons 45708..45972, 46649..46681, 47632..47726, 47945..49112

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48518	Strand	+
Start	45708	End	49521
Name	OJ990815_48.9C17.C8.o8.np	Method	AAT/NAP
Start	45723	End	49521
GI	4678259	Score	1670
Exons	45723..45790, 45825..45972, 47632..47726, 47945..49521		
GI Descrip.	(AL049657) putative protein [Arabidopsis thaliana]		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48518	Strand	+
Start	45708	End	49521
Name	OJ990815_48.9C17.C8.o6.gp	Method	AAT/GAP
Start	48763	End	49248
GI	36220_1.R1084	Score	930
Exons	48763..49248		
GI Descrip.	'4678259/emb CAB41120.1 1.0e-65 (AL049657) putative protein [Arabidopsis thaliana]'		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48519	Strand	-
Start	4894	End	24274
Name	OJ990815_48.9C17.C8.o2.np	Method	AAT/NAP
Start	4757	End	6934
GI	6498441	Score	3008
Exons	4757..5037, 5131..6528, 6700..6934		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48519	Strand	-
Start	4894	End	24274
Name	OJ990815_48.9C17.C8.o2.gs	Method	GENSCAN
Start	4894	End	7171
GI	none	Score	.44
Exons	4894..6774, 7115..7171		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48519	Strand	-
Start	4894	End	24274
Name	OJ990815_48.9C17.C8.o5.np	Method	AAT/NAP
Start	5063	End	22693
GI	6522938	Score	84
Exons	5063..5115, 16391..16521, 22339..22693		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana] gi 6523028 emb CAB62296.1 (AL132976) putative protein [Arabidopsis thaliana]		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48519	Strand	-
Start	4894	End	24274
Name	OJ990815_48.9C17.C8.o3.np	Method	AAT/NAP
Start	7061	End	7319
GI	5042454	Score	176

Exons 7061..7319
GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48519	Strand	-
Start	4894	End	24274
Name	OJ990815_48.9C17.C8.o4.gs	Method	GENSCAN
Start	14223	End	14558
GI	none	Score	.77
Exons	14223..14558		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48519	Strand	-
Start	4894	End	24274
Name	OJ990815_48.9C17.C8.o5.gs	Method	GENSCAN
Start	15624	End	16994
GI	none	Score	.68
Exons	15624..16055, 16120..16596, 16611..16879, 16952..16994		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48519	Strand	-
Start	4894	End	24274
Name	OJ990815_48.9C17.C8.o7.gs	Method	GENSCAN
Start	21487	End	22854
GI	none	Score	1
Exons	21487..22854		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48519	Strand	-
Start	4894	End	24274
Name	OJ990815_48.9C17.C8.o6.np	Method	AAT/NAP
Start	22283	End	24274
GI	6721547	Score	97
Exons	22283..22347, 24187..24274		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o8.tw	Method	TBLASTX:Wheat
Start	4766	End	5367
GI	none	Score	80
Exons	4766..4891, 4770..4892, 5029..5367, 5077..5367		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o8.tm	Method	TBLASTX:Maize
Start	5293	End	8373
GI	none	Score	213
Exons	5293..5463, 8080..8373		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o4.tw	Method	TBLASTX:Wheat
Start	5368	End	5749

GI none Score 168
Exons 5368..5748, 5399..5647, 5407..5745, 5693..5749

Seq. No. 23296 Seq. ID OJ990815_48.9C17.C8
Gene No. 48520 Strand -
Start 43266 End 43992
Name OJ990815_48.9C17.C8.o4.tm Method TBLASTX:Maize
Start 5563 End 5886
GI none Score 201
Exons 5563..5886, 5576..5857

Seq. No. 23296 Seq. ID OJ990815_48.9C17.C8
Gene No. 48520 Strand -
Start 43266 End 43992
Name OJ990815_48.9C17.C8.o11.tw Method TBLASTX:Wheat
Start 6079 End 39564
GI none Score 67
Exons 6079..6339, 6215..6391, 39466..39564

Seq. No. 23296 Seq. ID OJ990815_48.9C17.C8
Gene No. 48520 Strand -
Start 43266 End 43992
Name OJ990815_48.9C17.C8.o3.ts Method TBLASTX:Soybean
Start 6139 End 6705
GI 5666795 Score 68
Exons 6139..6339, 6394..6531, 6607..6705
GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No. 23296 Seq. ID OJ990815_48.9C17.C8
Gene No. 48520 Strand -
Start 43266 End 43992
Name OJ990815_48.9C17.C8.o5.tw Method TBLASTX:Wheat
Start 6394 End 36658
GI none Score 88
Exons 6394..6543, 6395..6532, 6577..6804, 6587..6763, 6631..6804, 36557..36658

Seq. No. 23296 Seq. ID OJ990815_48.9C17.C8
Gene No. 48520 Strand -
Start 43266 End 43992
Name OJ990815_48.9C17.C8.o3.tc Method TBLASTX:Cress
Start 7753 End 8010
GI none Score 315
Exons 7753..8010, 7783..8007, 7785..8009

Seq. No. 23296 Seq. ID OJ990815_48.9C17.C8
Gene No. 48520 Strand -
Start 43266 End 43992
Name OJ990815_48.9C17.C8.o3.tm Method TBLASTX:Maize
Start 7761 End 8077
GI none Score 477
Exons 7761..8072, 7762..8073, 7787..8077

Seq. No. 23296 Seq. ID OJ990815_48.9C17.C8
Gene No. 48520 Strand -
Start 43266 End 43992
Name OJ990815_48.9C17.C8.o3.tw Method TBLASTX:Wheat

Start	7822	End	8181
GI	none	Score	412
Exons	7822..8181, 7822..8139, 7827..8171		
Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o2.tw	Method	TBLASTX:Wheat
Start	8212	End	8610
GI	none	Score	562
Exons	8212..8610, 8214..8600		
Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o5.tm	Method	TBLASTX:Maize
Start	8377	End	8651
GI	none	Score	351
Exons	8377..8649, 8379..8651		
Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o7.tm	Method	TBLASTX:Maize
Start	8653	End	8892
GI	none	Score	219
Exons	8653..8841, 8655..8771, 8657..8815, 8689..8829, 8854..8892		
Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o9.tm	Method	TBLASTX:Maize
Start	19012	End	32087
GI	none	Score	75
Exons	19012..19158, 19159..19272, 19265..19483, 31757..31783, 31842..31913, 32016..32087		
Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o10.tw	Method	TBLASTX:Wheat
Start	19886	End	32949
GI	none	Score	90
Exons	19886..19942, 20728..20925, 32584..32697, 32683..32949, 32795..32929		
Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o6.tm	Method	TBLASTX:Maize
Start	19966	End	33223
GI	none	Score	50
Exons	19966..20157, 20749..21030, 20955..21020, 21030..21206, 21103..21162, 32614..32949, 32954..33091, 33149..33223		
Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-

Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o9.tw	Method	TBLASTX:Wheat
Start	22638	End	43767
GI	none	Score	57
Exons	22638..22685, 22793..22876, 43393..43533, 43449..43532, 43497..43541, 43540..43680, 43551..43679, 43732..43767		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	42700	End	43803
GI	none	Score	569
Exons	42700..43128, 42705..42995, 42706..43029, 43068..43127, 43138..43545, 43143..43544, 43542..43679, 43543..43803		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	42700	End	43383
GI	none	Score	553
Exons	42700..43128, 42705..42995, 42706..43029, 43065..43127, 43135..43383, 43143..43382		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	42700	End	43767
GI	none	Score	568
Exons	42700..43128, 42705..42995, 42706..43029, 43065..43127, 43138..43572, 43143..43583, 43542..43679, 43549..43683, 43732..43767, 43734..43766		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	42700	End	43767
GI	none	Score	530
Exons	42700..43128, 42705..42995, 43074..43127, 43138..43536, 43143..43529, 43551..43679, 43552..43680, 43732..43767		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48520	Strand	-
Start	43266	End	43992
Name	OJ990815_48.9C17.C8.o4.gp	Method	AAT/GAP
Start	43266	End	43992
GI	2528 1.R1084	Score	1399
Exons	43266..43992		
GI Descrip.	'4581146/gb AAD24630.1 AC006919_8 2.0e-61 (AC006919) putative fructose-bisphosphate aldolase, cytoplasmic [Arabidopsis thaliana]'		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48521	Strand	

Start	47927	End	49246
Name	OJ990815_48.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	47927	End	49246
GI	none	Score	246
Exons	47927..48400, 47973..48191, 47984..48229, 47984..48142, 47986..48825, 48004..48234, 48013..48399, 48293..48829, 48369..48830, 48374..48844, 48404..48685, 48415..48624, 48446..48625, 48473..48832, 48647..48838, 48654..48848, 48851..49246, 48869..49168, 48878..49234, 48893..49231, 48902..49066, 48907..49245, 48994..49224, 49112..49225		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48521	Strand	
Start	47927	End	49246
Name	OJ990815_48.9C17.C8.o2.ts	Method	TBLASTX:Soybean
Start	47957	End	49225
GI	none	Score	316
Exons	47957..48229, 47959..48381, 47984..48169, 48021..48248, 48293..48379, 48326..48667, 48367..48669, 48476..48802, 48872..49225, 48901..49224		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48521	Strand	
Start	47927	End	49246
Name	OJ990815_48.9C17.C8.o2.tc	Method	TBLASTX:Cress
Start	47978	End	49204
GI	none	Score	125
Exons	47978..48223, 47984..48229, 47995..48192, 48386..49153, 48386..48820, 48394..48828, 48869..49204, 48901..49122		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48521	Strand	
Start	47927	End	49246
Name	OJ990815_48.9C17.C8.o7.tw	Method	TBLASTX:Wheat
Start	47996	End	49021
GI	none	Score	91
Exons	47996..48127, 48788..49021, 48797..49018		

Seq. No.	23296	Seq. ID	OJ990815_48.9C17.C8
Gene No.	48521	Strand	
Start	47927	End	49246
Name	OJ990815_48.9C17.C8.o6.tw	Method	TBLASTX:Wheat
Start	48128	End	49243
GI	none	Score	140
Exons	48128..48400, 49022..49243, 49022..49234, 49023..49241		

Seq. No.	23297	Seq. ID	OJ990605_35.9C10.C1
Gene No.	48522	Strand	+
Start	470	End	555
Name	OJ990605_35.9C10.C1.o1.np	Method	AAT/NAP
Start	470	End	555
GI	2498930	Score	56
Exons	470..555		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	23297	Seq. ID	OJ990605_35.9C10.C1
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Gene No.	48523	Strand	+
Start	474	End	533
Name	OJ990605_35.9C10.C1.o1.gs	Method	GENSCAN
Start	474	End	533
GI	none	Score	.9
Exons	474..533		
Seq. No.	23298	Seq. ID	OJ990605_35.9C10.C2
Gene No.	48524	Strand	-
Start	796	End	3593
Name	OJ990605_35.9C10.C2.o1.gs	Method	GENSCAN
Start	796	End	3593
GI	none	Score	.87
Exons	796..854, 937..1153, 1600..1677, 1769..2053, 2126..2254, 2331..2696, 2781..3000, 3265..3593		
Seq. No.	23298	Seq. ID	OJ990605_35.9C10.C2
Gene No.	48524	Strand	-
Start	796	End	3593
Name	OJ990605_35.9C10.C2.o1.gp	Method	AAT/GAP
Start	1763	End	2270
GI	2310520	Score	692
Exons	1763..2053, 2126..2270		
Seq. No.	23298	Seq. ID	OJ990605_35.9C10.C2
Gene No.	48525	Strand	-
Start	3853	End	7565
Name	OJ990605_35.9C10.C2.o2.gs	Method	GENSCAN
Start	3853	End	7535
GI	none	Score	.73
Exons	3853..4185, 4276..4595, 5108..5265, 5341..7535		
Seq. No.	23298	Seq. ID	OJ990605_35.9C10.C2
Gene No.	48525	Strand	-
Start	3853	End	7565
Name	OJ990605_35.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	4264	End	5678
GI	none	Score	211
Exons	4264..4428, 4525..4647, 5172..5267, 5340..5678		
Seq. No.	23298	Seq. ID	OJ990605_35.9C10.C2
Gene No.	48525	Strand	-
Start	3853	End	7565
Name	OJ990605_35.9C10.C2.o1.np	Method	AAT/NAP
Start	4686	End	7565
GI	322871	Score	1759
Exons	4686..4859, 4935..5265, 5341..7253, 7281..7565		
GI Descrip.	hypothetical protein 1 - maize transposon En-1 gi 225005 prf 1206239A ORF 1 [Zea mays]		
Seq. No.	23298	Seq. ID	OJ990605_35.9C10.C2
Gene No.	48525	Strand	-
Start	3853	End	7565
Name	OJ990605_35.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	5323	End	5783
GI	none	Score	100
Exons	5323..5460, 5340..5783		

Seq. No.	23298	Seq. ID	OJ990605_35.9C10.C2
Gene No.	48525	Strand	-
Start	3853	End	7565
Name	OJ990605_35.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	5346	End	5741
GI	none	Score	105
Exons	5346..5609, 5349..5489, 5371..5607, 5577..5732, 5580..5741		

Seq. No.	23298	Seq. ID	OJ990605_35.9C10.C2
Gene No.	48525	Strand	-
Start	3853	End	7565
Name	OJ990605_35.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	6201	End	6611
GI	none	Score	129
Exons	6201..6611, 6244..6462		

Seq. No.	23298	Seq. ID	OJ990605_35.9C10.C2
Gene No.	48525	Strand	-
Start	3853	End	7565
Name	OJ990605_35.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	6567	End	7076
GI	none	Score	148
Exons	6567..6677, 6702..6806, 6813..7076		

Seq. No.	23299	Seq. ID	OJ990605_35.9C10.C3
Gene No.	48526	Strand	+
Start	4248	End	19036
Name	OJ990605_35.9C10.C3.o1.gp	Method	AAT/GAP
Start	4248	End	19036
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	4248..4276, 18960..19036		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23299	Seq. ID	OJ990605_35.9C10.C3
Gene No.	48527	Strand	+
Start	26100	End	26829
Name	OJ990605_35.9C10.C3.o2.gp	Method	AAT/GAP
Start	26100	End	26829
GI	LIB3431-010-P1-K1-H2	Score	566
Exons	26100..26160, 26545..26829		
GI Descrip.	'5441872/dbj AP000366.1 AP000366 2.0e-15 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	23299	Seq. ID	OJ990605_35.9C10.C3
Gene No.	48528	Strand	-
Start	5334	End	6879
Name	OJ990605_35.9C10.C3.o1.np	Method	AAT/NAP
Start	5334	End	6879
GI	6907086	Score	421
Exons	5334..5836, 5909..6014, 6069..6879		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23299	Seq. ID	OJ990605_35.9C10.C3
Gene No.	48529	Strand	-

Start	7227	End	10171
Name	OJ990605_35.9C10.C3.o2.np		Method AAT/NAP
Start	7227	End	10171
GI	4680186	Score	167
Exons	7227..7268, 7886..8017, 8625..8799, 10141..10171		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48530	Strand	+
Start	24266	End	25965
Name	OJ990605_35.9C10.C4.o5.gs	Method	GENSCAN
Start	24266	End	25965
GI	none	Score	.83
Exons	24266..24624, 25566..25965		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48531	Strand	+
Start	26117	End	26440
Name	OJ990605_35.9C10.C4.o3.gp	Method	AAT/GAP
Start	26117	End	26440
GI	426767	Score	625
Exons	26117..26440		
GI Descrip.	5441872/dbj AP000366.1 AP000366 2.0e-15 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48532	Strand	-
Start	1476	End	5915
Name	OJ990605_35.9C10.C4.o1.gp	Method	AAT/GAP
Start	1417	End	1984
GI	2311546	Score	831
Exons	1417..1613, 1712..1984		
GI Descrip.	3850821/emb CAA77135 5.0e-18 (Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48532	Strand	-
Start	1476	End	5915
Name	OJ990605_35.9C10.C4.o1.gs	Method	GENSCAN
Start	1476	End	5915
GI	none	Score	.88
Exons	1476..1613, 1712..1779, 2103..2244, 2337..2957, 3049..3129, 3260..3330, 4364..4434, 5044..5282, 5751..5915		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48532	Strand	-
Start	1476	End	5915
Name	OJ990605_35.9C10.C4.o1.np	Method	AAT/NAP
Start	1479	End	5897
GI	6751682	Score	1508
Exons	1479..1613, 1712..1779, 2103..2244, 2337..2957, 3049..3150, 3249..3330, 4364..4434, 4847..4933, 5044..5281, 5744..5897		
GI Descrip.	(AC018908) putative U2 snRNP auxiliary factor [Arabidopsis thaliana]		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48533	Strand	-

Start	6478	End	8005
Name	OJ990605_35.9C10.C4.o2.gs	Method	GENSCAN
Start	6478	End	8005
GI	none	Score	1
Exons	6478..7316, 7343..7777, 7864..8005		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48534	Strand	-
Start	12571	End	22359
Name	OJ990605_35.9C10.C4.o2.np	Method	AAT/NAP
Start	11816	End	20272
GI	1778095	Score	1122
Exons	11816..11943, 12573..13283, 19342..19621, 19696..20042, 20116..20272		
GI Descrip.	(U64903) putative sugar transporter; member of major facilitative superfamily; integral membrane protein [Beta vulgaris]		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48534	Strand	-
Start	12571	End	22359
Name	OJ990605_35.9C10.C4.o3.gs	Method	GENSCAN
Start	12571	End	14189
GI	none	Score	.95
Exons	12571..13521, 13633..13979, 14051..14189		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48534	Strand	-
Start	12571	End	22359
Name	OJ990605_35.9C10.C4.o4.gs	Method	GENSCAN
Start	18671	End	22359
GI	none	Score	.76
Exons	18671..19621, 19696..20114, 20116..20298, 21295..21478, 21683..21710, 21959..22055, 22290..22359		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	1470	End	3300
GI	none	Score	128
Exons	1470..1616, 1471..1614, 1709..1780, 1709..1780, 1710..1781, 2098..2220, 2100..2225, 2101..2220, 2329..2454, 2334..2960, 2336..2947, 2364..2960, 2371..2961, 2494..2961, 3045..3170, 3049..3171, 3052..3153, 3274..3300		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o4.tc	Method	TBLASTX:Cress
Start	1485	End	2220
GI	none	Score	109
Exons	1485..1616, 1492..1614, 1709..1783, 1710..1781, 2104..2220		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305

Name	OJ990605_35.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	1709	End	3145
GI	none	Score	91
Exons	1709..1780, 1710..1781, 2101..2208, 2361..2396, 2371..2394, 2376..2960, 2401..2961, 3050..3127, 3052..3138, 3077..3145		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o2.tc	Method	TBLASTX:Cress
Start	2361	End	2597
GI	none	Score	270
Exons	2361..2597, 2377..2595		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	2670	End	2943
GI	none	Score	375
Exons	2670..2933, 2671..2943		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o2.ts	Method	TBLASTX:Soybean
Start	6487	End	28302
GI	none	Score	41
Exons	6487..6747, 6497..6532, 6599..6748, 6826..7152, 6836..7135, 7000..7137, 7156..7359, 7241..7357, 7371..7778, 7378..7659, 7865..7948, 12580..12840, 12692..12841, 12922..13239, 12932..13240, 13228..13524, 13250..13558, 13612..13980, 13625..13972, 14052..14141, 18680..18940, 18681..18725, 18792..18950, 19020..19337, 19055..19360, 19346..19624, 19434..19619, 19693..20073, 19694..20035, 20112..20174, 20117..20197, 27788..28069, 27799..28053, 28190..28291, 28198..28302		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o3.tc	Method	TBLASTX:Cress
Start	6487	End	28017
GI	none	Score	44
Exons	6487..6534, 6487..6705, 6626..6709, 12577..12798, 18677..18898, 18680..18727, 18833..18898, 27784..28017, 27937..28017		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	6580	End	28305
GI	none	Score	128
Exons	6580..6747, 6599..6916, 6838..7098, 6854..7114, 7174..7365, 7241..7363, 7368..7778, 7369..7773, 7862..7939, 7966..8019, 12673..12786, 12673..12840, 12692..12841, 12934..13194, 12950..13195, 13234..13536, 13253..13522, 13435..13530,		

13603..13980, 13613..13975, 13885..13989, 14049..14192,
 18773..18940, 18788..18916, 18792..18947, 19047..19292,
 19055..19291, 19358..19624, 19434..19622, 19693..20073,
 19697..20038, 19816..20043, 20090..20182, 20115..20234,
 27892..28056, 27898..28026, 27905..28066, 28190..28270,
 28198..28305

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	6991	End	19586
GI	none	Score	74
Exons	6991..7143, 6995..7135, 7156..7359, 7241..7357, 13087..13260, 13091..13240, 13243..13485, 13244..13486, 19184..19348, 19188..19337, 19343..19585, 19434..19586		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o2.tw	Method	TBLASTX:Wheat
Start	7141	End	19592
GI	none	Score	128
Exons	7141..7365, 7228..7362, 7368..7403, 13228..13491, 13229..13492, 13435..13494, 19326..19592, 19334..19591		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o5.tc	Method	TBLASTX:Cress
Start	7608	End	20197
GI	none	Score	65
Exons	7608..7778, 7865..7930, 13810..13980, 14052..14117, 19850..19990, 19873..20073, 20117..20197		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o3.np	Method	AAT/NAP
Start	26875	End	28305
GI	1778095	Score	353
Exons	26875..26987, 27777..28305		
GI Descrip.	(U64903) putative sugar transporter; member of major facilitative superfamily; integral membrane protein [Beta vulgaris]		

Seq. No.	23300	Seq. ID	OJ990605_35.9C10.C4
Gene No.	48535	Strand	-
Start	26875	End	28305
Name	OJ990605_35.9C10.C4.o6.gs	Method	GENSCAN
Start	27790	End	28179
GI	none	Score	.98
Exons	27790..28179		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48536	Strand	-
Start	1	End	4217

Name	OJ990605_35.9C10.C5.o1.np	Method	AAT/NAP
Start	1	End	542
GI	1778095	Score	282
Exons	1..297, 389..542		
GI Descrip.	(U64903) putative sugar transporter; member of major facilitative superfamily; integral membrane protein [Beta vulgaris]		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48536	Strand	-
Start	1	End	4217
Name	OJ990605_35.9C10.C5.o1.gs	Method	GENSCAN
Start	11	End	4217
GI	none	Score	.47
Exons	11..387, 389..575, 2385..2502, 3757..3858, 3933..3970, 4107..4217		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48536	Strand	-
Start	1	End	4217
Name	OJ990605_35.9C10.C5.o1.gp	Method	AAT/GAP
Start	1571	End	4049
GI	14968_2.R1084	Score	887
Exons	1571..1810, 2372..2528, 3933..4049		
GI Descrip.	'3850821/emb CAA77135 5.0e-18 (Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48536	Strand	-
Start	1	End	4217
Name	OJ990605_35.9C10.C5.o2.np	Method	AAT/NAP
Start	1767	End	2531
GI	3935169	Score	258
Exons	1767..1810, 2372..2531		
GI Descrip.	(AC004557) F17L21.12 [Arabidopsis thaliana]		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48537	Strand	-
Start	5053	End	7230
Name	OJ990605_35.9C10.C5.o2.gs	Method	GENSCAN
Start	5053	End	7230
GI	none	Score	.95
Exons	5053..5609, 6124..6961, 7078..7230		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48537	Strand	-
Start	5053	End	7230
Name	OJ990605_35.9C10.C5.o3.np	Method	AAT/NAP
Start	6120	End	7214
GI	6466960	Score	720
Exons	6120..7214		
GI Descrip.	(AC009176) unknown protein [Arabidopsis thaliana] gi 6648190 gb AAF21188.1 AC013483_12 (AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48538	Strand	-

Start	7457	End	12203
Name	OJ990605_35.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	94	End	429
GI	none	Score	196
Exons	94..135, 98..298, 140..286, 223..291, 379..429		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48538	Strand	-
Start	7457	End	12203
Name	OJ990605_35.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	1716	End	2538
GI	none	Score	62
Exons	1716..1814, 1767..1808, 2364..2528, 2367..2528, 2371..2538, 2374..2529		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48538	Strand	-
Start	7457	End	12203
Name	OJ990605_35.9C10.C5.o2.tc	Method	TBLASTX:Cress
Start	1755	End	2529
GI	none	Score	158
Exons	1755..1814, 2367..2528, 2371..2529, 2374..2529		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48538	Strand	-
Start	7457	End	12203
Name	OJ990605_35.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	1761	End	2534
GI	none	Score	254
Exons	1761..1814, 2367..2534, 2374..2529		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48538	Strand	-
Start	7457	End	12203
Name	OJ990605_35.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	2368	End	2535
GI	none	Score	205
Exons	2368..2535, 2370..2534		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48538	Strand	-
Start	7457	End	12203
Name	OJ990605_35.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	6125	End	6611
GI	none	Score	157
Exons	6125..6508, 6126..6383, 6179..6508, 6507..6560, 6509..6553, 6582..6611, 6591..6611		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48538	Strand	-
Start	7457	End	12203
Name	OJ990605_35.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	6156	End	6814
GI	none	Score	34
Exons	6156..6218, 6209..6376, 6291..6380, 6292..6363, 6294..6383, 6398..6535, 6416..6814, 6417..6791, 6605..6811		

Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48538	Strand	-
Start	7457	End	12203
Name	OJ990605_35.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	6156	End	6701
GI	none	Score	50
Exons	6156..6224, 6158..6535, 6158..6700, 6303..6701		
Seq. No.	23301	Seq. ID	OJ990605_35.9C10.C5
Gene No.	48538	Strand	-
Start	7457	End	12203
Name	OJ990605_35.9C10.C5.o3.gs	Method	GENSCAN
Start	7457	End	12203
GI	none	Score	.48
Exons	7457..7571, 8491..8679, 8718..8878, 12141..12203		
Seq. No.	23302	Seq. ID	OJ990605_35.9C10.C6
Gene No.	48539	Strand	+
Start	402	End	590
Name	OJ990605_35.9C10.C6.o1.gs	Method	GENSCAN
Start	402	End	590
GI	none	Score	.77
Exons	402..590		
Seq. No.	23303	Seq. ID	OJ990605_35.9C10.C7
Gene No.	48540	Strand	-
Start	1	End	4920
Name	OJ990605_35.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	4196
GI	1653291	Score	698
Exons	1..96, 547..697, 1014..1207, 1309..1473, 1666..1827, 2278..2368, 2848..2987, 3718..3791, 3879..4011, 4122..4196		
GI Descrip.	(D90912) hypothetical protein [Synechocystis sp.]		
Seq. No.	23303	Seq. ID	OJ990605_35.9C10.C7
Gene No.	48540	Strand	-
Start	1	End	4920
Name	OJ990605_35.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	3	End	4196
GI	none	Score	63
Exons	3..98, 7..99, 8..100, 541..699, 546..581, 547..696, 605..709, 650..700, 1004..1210, 1007..1273, 1302..1433, 1308..1430, 1309..1434, 1658..1825, 1659..1826, 1666..1830, 1667..1807, 4122..4196		
Seq. No.	23303	Seq. ID	OJ990605_35.9C10.C7
Gene No.	48540	Strand	-
Start	1	End	4920
Name	OJ990605_35.9C10.C7.o1.gs	Method	GENSCAN
Start	547	End	4920
GI	none	Score	.82
Exons	547..697, 1014..1207, 1309..1470, 1660..1842, 2305..2365, 2848..3025, 3714..4011, 4122..4205, 4316..4437, 4839..4920		
Seq. No.	23303	Seq. ID	OJ990605_35.9C10.C7
Gene No.	48540	Strand	-
Start	1	End	4920

Name	OJ990605_35.9C10.C7.o1.tc	Method	TBLASTX:Cress
Start	1073	End	4199
GI	none	Score	105
Exons	1073..1273, 1100..1210, 1307..1471, 1308..1448, 1309..1473, 1666..1824, 1667..1810, 4125..4199		

Seq. No.	23303	Seq. ID	OJ990605_35.9C10.C7
Gene No.	48540	Strand	-
Start	1	End	4920
Name	OJ990605_35.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	1339	End	4205
GI	none	Score	60
Exons	1339..1407, 1376..1435, 1451..1504, 1658..1807, 1660..1815, 1660..1815, 2263..2364, 2297..2380, 2847..2957, 2848..2958, 4122..4205		

Seq. No.	23304	Seq. ID	OJ990605_35.9C10.C8
Gene No.	48541	Strand	+
Start	4285	End	10134
Name	OJ990605_35.9C10.C8.o1.gp	Method	AAT/GAP
Start	4285	End	8927
GI	23815_1.R1084	Score	1717
Exons	4285..4544, 4950..5072, 5800..5839, 5933..6006, 6130..6189, 7030..7107, 7190..7348, 8585..8711, 8890..8927		
GI Descrip.	'1076821 pir S52645 1.0e-115 probable 1-acyl-glycerol-3-phosphate acyltransferase - maize >gi_575960_emb_CAA82638_ (Z29518) 1-acyl-glycerol-3-phosphate acyltransferase (putative) [Zea mays]'		

Seq. No.	23304	Seq. ID	OJ990605_35.9C10.C8
Gene No.	48541	Strand	+
Start	4285	End	10134
Name	OJ990605_35.9C10.C8.o1.gs	Method	GENSCAN
Start	4464	End	10134
GI	none	Score	.46
Exons	4464..4544, 4950..5072, 6130..6189, 7190..7348, 8585..8710, 8890..8982, 9098..9181, 9623..9665, 9845..10134		

Seq. No.	23304	Seq. ID	OJ990605_35.9C10.C8
Gene No.	48541	Strand	+
Start	4285	End	10134
Name	OJ990605_35.9C10.C8.o1.np	Method	AAT/NAP
Start	4464	End	10048
GI	1076821	Score	1533
Exons	4464..4544, 4950..5072, 5800..5839, 5933..6006, 6130..6189, 7030..7107, 7190..7348, 8585..8710, 8890..8982, 9098..9181, 9845..10048		
GI Descrip.	probable 1-acyl-glycerol-3-phosphate acyltransferase - maize gi 575960 emb CAA82638 (Z29518) 1-acyl-glycerol-3-phosphate acyltransferase (putative) [Zea mays]		

Seq. No.	23304	Seq. ID	OJ990605_35.9C10.C8
Gene No.	48542	Strand	-
Start	15303	End	16143
Name	OJ990605_35.9C10.C8.o3.ts	Method	TBLASTX:Soybean
Start	4944	End	6194
GI	none	Score	81

Exons 4944..5021, 4968..5072, 4972..5073, 4973..5074, 5929..6012,
5931..6002, 5940..6017, 6124..6183, 6126..6182, 6126..6194,
6127..6192

Seq. No. 23304 Seq. ID OJ990605_35.9C10.C8
Gene No. 48542 Strand -
Start 15303 End 16143
Name OJ990605_35.9C10.C8.o2.tc Method TBLASTX:Cress
Start 5922 End 7285
GI none Score 126
Exons 5922..6002, 5929..6012, 5929..6006, 6124..6189, 6126..6191,
6126..6194, 6127..6192, 6991..7095, 7024..7107, 7029..7106,
7181..7276, 7183..7284, 7193..7285

Seq. No. 23304 Seq. ID OJ990605_35.9C10.C8
Gene No. 48542 Strand -
Start 15303 End 16143
Name OJ990605_35.9C10.C8.o2.tm Method TBLASTX:Maize
Start 6141 End 10066
GI none Score 92
Exons 6141..6191, 6141..6194, 6142..6192, 6991..7101, 7024..7107,
7029..7106, 7186..7344, 7188..7235, 7190..7348, 8577..8612,
8578..8709, 8582..8713, 8582..8713, 8667..8717, 8890..8982,
8890..8982, 8892..8987, 9085..9183, 9095..9211, 9097..9183,
9844..10053, 9845..10015, 9845..10066

Seq. No. 23304 Seq. ID OJ990605_35.9C10.C8
Gene No. 48542 Strand -
Start 15303 End 16143
Name OJ990605_35.9C10.C8.o2.ts Method TBLASTX:Soybean
Start 7022 End 10020
GI none Score 142
Exons 7022..7102, 7024..7107, 7029..7106, 7170..7244, 7186..7344,
7193..7348, 8582..8713, 8584..8712, 8889..8987, 8890..8982,
9095..9145, 9097..9141, 9137..9184, 9137..9184, 9844..10020,
9845..10012

Seq. No. 23304 Seq. ID OJ990605_35.9C10.C8
Gene No. 48542 Strand -
Start 15303 End 16143
Name OJ990605_35.9C10.C8.o1.tw Method TBLASTX:Wheat
Start 8940 End 10053
GI none Score 63
Exons 8940..8987, 8947..8985, 9097..9183, 9101..9211, 9104..9184,
9843..9929, 9844..9963, 9845..9964, 9964..10053, 9965..10015,
9970..10050

Seq. No. 23304 Seq. ID OJ990605_35.9C10.C8
Gene No. 48542 Strand -
Start 15303 End 16143
Name OJ990605_35.9C10.C8.o2.gp Method AAT/GAP
Start 12969 End 13280
GI 3760049 Score 563
Exons 12969..13280

Seq. No. 23304 Seq. ID OJ990605_35.9C10.C8
Gene No. 48542 Strand -

Start	15303	End	16143
Name	OJ990605_35.9C10.C8.o2.np	Method	AAT/NAP
Start	15114	End	16143
GI	6648193	Score	667
Exons	15114..16143		
GI Descrip.	(AC013483) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	23304	Seq. ID	OJ990605_35.9C10.C8
Gene No.	48542	Strand	-
Start	15303	End	16143
Name	OJ990605_35.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	15150	End	16143
GI	none	Score	218
Exons	15150..15221, 15231..15275, 15367..15396, 15632..15754, 15779..16141, 15786..16142, 15907..16143, 15996..16046, 16089..16142		

Seq. No.	23304	Seq. ID	OJ990605_35.9C10.C8
Gene No.	48542	Strand	-
Start	15303	End	16143
Name	OJ990605_35.9C10.C8.o2.gs	Method	GENSCAN
Start	15303	End	16139
GI	none	Score	.74
Exons	15303..15592, 15794..16139		

Seq. No.	23304	Seq. ID	OJ990605_35.9C10.C8
Gene No.	48542	Strand	-
Start	15303	End	16143
Name	OJ990605_35.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	15632	End	16143
GI	none	Score	87
Exons	15632..15781, 15633..15782, 15687..15794, 15810..15974, 15812..15952, 15846..15971, 15861..15968, 15960..16142, 15961..16143		

Seq. No.	23304	Seq. ID	OJ990605_35.9C10.C8
Gene No.	48542	Strand	-
Start	15303	End	16143
Name	OJ990605_35.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	15954	End	16143
GI	none	Score	173
Exons	15954..16142, 15958..16143, 16018..16143		

Seq. No.	23305	Seq. ID	OJ990605_35.9C10.C9
Gene No.	48543	Strand	+
Start	6	End	431
Name	OJ990605_35.9C10.C9.o1.gs	Method	GENSCAN
Start	6	End	431
GI	none	Score	.65
Exons	6..431		

Seq. No.	23306	Seq. ID	OJ990605_32.9C03.C1
Gene No.	48544	Strand	+
Start	542	End	623
Name	OJ990605_32.9C03.C1.o1.gs	Method	GENSCAN
Start	542	End	623
GI	none	Score	.7

Exons 542..623

Seq. No.	23307	Seq. ID	OJ990605_32.9C03.C2
Gene No.	48545	Strand	-
Start	92	End	237
Name	OJ990605_32.9C03.C2.o1.gs	Method	GENSCAN
Start	92	End	237
GI	none	Score	.99
Exons	92..237		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48546	Strand	+
Start	4607	End	4886
Name	OJ990605_32.9C03.C3.o2.gp	Method	AAT/GAP
Start	4607	End	4886
GI	61605_3.R1084	Score	392
Exons	4607..4886		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48547	Strand	-
Start	807	End	13873
Name	OJ990605_32.9C03.C3.o1.gs	Method	GENSCAN
Start	807	End	1382
GI	none	Score	.7
Exons	807..1049, 1196..1224, 1259..1382		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48547	Strand	-
Start	807	End	13873
Name	OJ990605_32.9C03.C3.o1.np	Method	AAT/NAP
Start	950	End	10012
GI	4680183	Score	1027
Exons	950..1950, 4803..5606, 5957..6069, 9978..10012		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48547	Strand	-
Start	807	End	13873
Name	OJ990605_32.9C03.C3.o2.gs	Method	GENSCAN
Start	1524	End	13873
GI	none	Score	.65
Exons	1524..1867, 2160..2196, 2770..3185, 3996..4030, 4939..5083, 5098..5468, 5601..5997, 6173..6445, 8068..8236, 9330..9402, 9491..9765, 10553..10700, 11127..11215, 11420..11711, 11746..12104, 12167..12312, 12517..12597, 12853..12948, 13108..13466, 13500..13873		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48547	Strand	-
Start	807	End	13873
Name	OJ990605_32.9C03.C3.o2.np	Method	AAT/NAP
Start	11653	End	13796
GI	4325357	Score	372
Exons	11653..12142, 12372..12521, 13087..13796		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana		

retrotransposon Athila hypothetical protein 1 (GB:X81801)
[Arabidopsis thaliana]

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48548	Strand	-
Start	15450	End	17920
Name	OJ990605_32.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	730	End	1112
GI	none	Score	99
Exons	730..822, 810..1112, 829..960		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48548	Strand	-
Start	15450	End	17920
Name	OJ990605_32.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	843	End	1076
GI	none	Score	76
Exons	843..1076, 853..960		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48548	Strand	-
Start	15450	End	17920
Name	OJ990605_32.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	852	End	1271
GI	none	Score	142
Exons	852..1271, 853..1065		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48548	Strand	-
Start	15450	End	17920
Name	OJ990605_32.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	1140	End	1445
GI	none	Score	203
Exons	1140..1445, 1150..1443		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48548	Strand	-
Start	15450	End	17920
Name	OJ990605_32.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	1272	End	1460
GI	none	Score	157
Exons	1272..1460, 1276..1446		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48548	Strand	-
Start	15450	End	17920
Name	OJ990605_32.9C03.C3.o3.tw	Method	TBLASTX:Wheat
Start	5258	End	13567
GI	none	Score	94
Exons	5258..5437, 13220..13435, 13451..13567		

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48548	Strand	-
Start	15450	End	17920
Name	OJ990605_32.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	13112	End	13420
GI	none	Score	190

Exons 13112..13420

Seq. No.	23308	Seq. ID	OJ990605_32.9C03.C3
Gene No.	48548	Strand	-
Start	15450	End	17920
Name	OJ990605_32.9C03.C3.o3.gs	Method	GENSCAN
Start	15450	End	17920
GI	none	Score	.4
Exons	15450..15660, 15979..16149, 16172..16245, 17461..17621, 17872..17920		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48549	Strand	+
Start	7	End	739
Name	OJ990605_32.9C03.C4.o1.gs	Method	GENSCAN
Start	7	End	739
GI	none	Score	.89
Exons	7..121, 675..739		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48550	Strand	+
Start	4416	End	5154
Name	OJ990605_32.9C03.C4.o3.gs	Method	GENSCAN
Start	4416	End	5154
GI	none	Score	.82
Exons	4416..4511, 4996..5154		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48551	Strand	+
Start	11703	End	12196
Name	OJ990605_32.9C03.C4.o7.gs	Method	GENSCAN
Start	11703	End	12196
GI	none	Score	.54
Exons	11703..11814, 11937..12196		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48552	Strand	+
Start	20190	End	22261
Name	OJ990605_32.9C03.C4.o9.gs	Method	GENSCAN
Start	20190	End	22261
GI	none	Score	.73
Exons	20190..20210, 20479..20521, 20986..21135, 21583..21705, 22122..22261		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48553	Strand	+
Start	24368	End	34333
Name	OJ990605_32.9C03.C4.o11.gs	Method	GENSCAN
Start	24368	End	34333
GI	none	Score	.72
Exons	24368..24417, 24760..25007, 25061..25251, 25372..25495, 27393..27526, 27698..27905, 27947..28174, 28256..28561, 29757..29868, 31595..31763, 32161..32268, 33544..33609, 34214..34333		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48553	Strand	+

Start	24368	End	34333
Name	OJ990605_32.9C03.C4.o6.np	Method	AAT/NAP
Start	24784	End	28760
GI	4325354	Score	135
Exons	24784..25135, 25223..25395, 28731..28760		
GI Descrip.	(AF128395) contains similarity to retrovirus-related polyproteins and to CCHC zinc finger protein (Pfam: PF00098, Score=16.3, E=0.051, E= 1) [Arabidopsis thaliana]		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48553	Strand	+
Start	24368	End	34333
Name	OJ990605_32.9C03.C4.o2.gp	Method	AAT/GAP
Start	27979	End	28502
GI	none	Score	839
Exons	27979..28174, 28256..28502		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48553	Strand	+
Start	24368	End	34333
Name	OJ990605_32.9C03.C4.o7.np	Method	AAT/NAP
Start	28241	End	33639
GI	2626753	Score	914
Exons	28241..28561, 29519..29567, 29667..29868, 31595..31763, 31973..32038, 32161..32268, 33358..33465, 33544..33639		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48553	Strand	+
Start	24368	End	34333
Name	OJ990605_32.9C03.C4.o3.gp	Method	AAT/GAP
Start	29833	End	32295
GI	61191_1.R1084	Score	649
Exons	29833..29868, 31595..31763, 31973..32038, 32161..32295		
GI Descrip.	'2626753/dbj BAA23424 7.0e-34 (AB008782) sulfate transporter [Arabidopsis thaliana]'		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48554	Strand	-
Start	2452	End	2811
Name	OJ990605_32.9C03.C4.o2.gs	Method	GENSCAN
Start	2452	End	2811
GI	none	Score	.91
Exons	2452..2811		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48554	Strand	-
Start	2452	End	2811
Name	OJ990605_32.9C03.C4.o1.np	Method	AAT/NAP
Start	2455	End	2656
GI	4557093	Score	198
Exons	2455..2656		
GI Descrip.	(AF001136) zinc finger protein [Pinus radiata]		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48555	Strand	-
Start	5500	End	5707

Name OJ990605_32.9C03.C4.o4.gs
 Start 5500
 GI none
 Exons 5500..5509, 5613..5707

Method GENSCAN
 End 5707
 Score .46

Seq. No. 23309
 Gene No. 48556
 Start 8940
 Name OJ990605_32.9C03.C4.o5.gs
 Start 8940
 GI none
 Exons 8940..9217, 9222..9282

Seq. ID OJ990605_32.9C03.C4
 Strand -
 End 9282
 Method GENSCAN
 End 9282
 Score .53

Seq. No. 23309
 Gene No. 48557
 Start 9939
 Name OJ990605_32.9C03.C4.o6.gs
 Start 9939
 GI none
 Exons 9939..10136, 10475..10656, 10707..10767

Seq. ID OJ990605_32.9C03.C4
 Strand -
 End 10767
 Method GENSCAN
 End 10767
 Score .57

Seq. No. 23309
 Gene No. 48558
 Start 12937
 Name OJ990605_32.9C03.C4.o8.gs
 Start 12937
 GI none
 Exons 12937..13049, 13309..13459, 13695..13837, 14660..14726, 16281..16390, 16486..16963, 17937..18482

Seq. ID OJ990605_32.9C03.C4
 Strand -
 End 19276
 Method GENSCAN
 End 18482
 Score .66

Seq. No. 23309
 Gene No. 48558
 Start 12937
 Name OJ990605_32.9C03.C4.o4.np
 Start 18151
 GI 1076301
 Exons 18151..18443, 18644..18783, 19231..19276

Seq. ID OJ990605_32.9C03.C4
 Strand -
 End 19276
 Method AAT/NAP
 End 19276
 Score 111

GI Descrip. CONSTANS protein - Arabidopsis thaliana gi|1161514|emb|CAA64407|
 (X94937) CONSTANS protein [Arabidopsis thaliana]

Seq. No. 23309
 Gene No. 48559
 Start 22905
 Name OJ990605_32.9C03.C4.o2.ts
 Start 2494
 GI none
 Exons 2494..2592, 2507..2665, 2522..2656

Seq. ID OJ990605_32.9C03.C4
 Strand -
 End 31634
 Method TBLASTX:Soybean
 End 2665
 Score 193

Seq. No. 23309
 Gene No. 48559
 Start 22905
 Name OJ990605_32.9C03.C4.o3.tm
 Start 9975
 GI none
 Exons 9975..10106, 10192..10392, 31169..31243, 31255..31452

Seq. ID OJ990605_32.9C03.C4
 Strand -
 End 31634
 Method TBLASTX:Maize
 End 31452
 Score 168

Seq. No. 23309

Seq. ID OJ990605_32.9C03.C4

Gene No.	48559	Strand	-
Start	22905	End	31634
Name	OJ990605_32.9C03.C4.o5.np	Method	AAT/NAP
Start	22858	End	23617
GI	6815052	Score	385
Exons	22858..23026, 23308..23382, 23464..23617		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48559	Strand	-
Start	22905	End	31634
Name	OJ990605_32.9C03.C4.o10.gs	Method	GENSCAN
Start	22905	End	23617
GI	none	Score	.52
Exons	22905..23026, 23464..23617		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48559	Strand	-
Start	22905	End	31634
Name	OJ990605_32.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	28282	End	28522
GI	none	Score	50
Exons	28282..28419, 28352..28405, 28388..28522, 28399..28521		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48559	Strand	-
Start	22905	End	31634
Name	OJ990605_32.9C03.C4.o3.ts	Method	TBLASTX:Soybean
Start	28352	End	29821
GI	none	Score	45
Exons	28352..28396, 28402..28557, 28421..28561, 28469..28561, 29521..29568, 29521..29565, 29669..29821, 29671..29805		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48559	Strand	-
Start	22905	End	31634
Name	OJ990605_32.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	28414	End	29883
GI	none	Score	135
Exons	28414..28569, 28421..28570, 29500..29568, 29501..29557, 29509..29559, 29669..29878, 29674..29883, 29677..29871		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48559	Strand	-
Start	22905	End	31634
Name	OJ990605_32.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	28522	End	31634
GI	none	Score	67
Exons	28522..28569, 29499..29561, 29501..29557, 29509..29568, 29516..29563, 29666..29869, 29667..29738, 29667..29885, 29669..29869, 31587..31634		

Seq. No.	23309	Seq. ID	OJ990605_32.9C03.C4
Gene No.	48560	Strand	-
Start	31587	End	33645
Name	OJ990605_32.9C03.C4.o2.tc	Method	TBLASTX:Cress
Start	31587	End	33645

GI none Score 190
 Exons 31587..31712, 31589..31747, 31593..31763, 31970..32035,
 32161..32271, 33357..33467, 33358..33465, 33543..33596,
 33544..33645

Seq. No. 23309 Seq. ID OJ990605_32.9C03.C4
 Gene No. 48560 Strand
 Start 31587 End 33645
 Name OJ990605_32.9C03.C4.o2.tm Method TBLASTX:Maize
 Start 31970 End 33645
 GI none Score 85
 Exons 31970..32035, 31970..32020, 31972..32025, 32123..32203,
 32161..32280, 32230..32268, 33357..33467, 33358..33465,
 33501..33596, 33539..33595, 33543..33608, 33544..33645

Seq. No. 23309 Seq. ID OJ990605_32.9C03.C4
 Gene No. 48560 Strand
 Start 31587 End 33645
 Name OJ990605_32.9C03.C4.o1.ts Method TBLASTX:Soybean
 Start 33357 End 33645
 GI none Score 145
 Exons 33357..33467, 33358..33465, 33543..33596, 33544..33645

Seq. No. 23310 Seq. ID OJ990605_32.9C03.C5
 Gene No. 48561 Strand +
 Start 1552 End 1724
 Name OJ990605_32.9C03.C5.o1.gs Method GENSCAN
 Start 1552 End 1724
 GI none Score .47
 Exons 1552..1724

Seq. No. 23311 Seq. ID OJ990605_32.9C03.C6
 Gene No. 48562 Strand +
 Start 1 End 5638
 Name OJ990605_32.9C03.C6.o1.np Method AAT/NAP
 Start 1 End 5638
 GI 2626753 Score 315
 Exons 1..214, 1211..1252, 1569..1685, 1775..1828, 5547..5638
 GI Descrip. (AB008782) sulfate transporter [Arabidopsis thaliana]

Seq. No. 23311 Seq. ID OJ990605_32.9C03.C6
 Gene No. 48562 Strand +
 Start 1 End 5638
 Name OJ990605_32.9C03.C6.o1.gs Method GENSCAN
 Start 87 End 2815
 GI none Score .76
 Exons 87..214, 1211..1252, 1569..1685, 1775..1826, 2619..2815

Seq. No. 23311 Seq. ID OJ990605_32.9C03.C6
 Gene No. 48563 Strand -
 Start 2176 End 2420
 Name OJ990605_32.9C03.C6.o1.gp Method AAT/GAP
 Start 2176 End 2420
 GI 44948_2.R1084 Score 419
 Exons 2176..2420
 GI Descrip. '4335715/gb|AAD17393| 4.0e-36 (AC006248) putative
 immediate-early salicylate-induced glucosyltransferase

[Arabidopsis thaliana]

Seq. No.	23311	Seq. ID	OJ990605_32.9C03.C6
Gene No.	48564	Strand	-
Start	2659	End	6547
Name	OJ990605_32.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	85	End	1822
GI	none	Score	203
Exons	85..210, 86..223, 1208..1255, 1208..1255, 1210..1257, 1569..1640, 1575..1667, 1595..1687, 1595..1684, 1603..1686, 1757..1822, 1763..1822		

Seq. No.	23311	Seq. ID	OJ990605_32.9C03.C6
Gene No.	48564	Strand	-
Start	2659	End	6547
Name	OJ990605_32.9C03.C6.o2.np	Method	AAT/NAP
Start	2659	End	6547
GI	6815052	Score	1634
Exons	2659..2778, 3061..3134, 3216..3950, 3999..4143, 4923..5015, 5882..5981, 6280..6547		

GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	23311	Seq. ID	OJ990605_32.9C03.C6
Gene No.	48564	Strand	-
Start	2659	End	6547
Name	OJ990605_32.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	4204	End	4698
GI	none	Score	90
Exons	4204..4494, 4515..4667, 4519..4698		

Seq. No.	23311	Seq. ID	OJ990605_32.9C03.C6
Gene No.	48564	Strand	-
Start	2659	End	6547
Name	OJ990605_32.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	4306	End	4680
GI	none	Score	107
Exons	4306..4500, 4495..4680		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48565	Strand	+
Start	186	End	6054
Name	OJ990605_32.9C03.C7.o1.gs	Method	GENSCAN
Start	186	End	6054
GI	none	Score	.51
Exons	186..258, 1255..1393, 1493..1578, 1731..1807, 1904..2155, 2406..2490, 5202..5257, 5276..5392, 5764..6054		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48565	Strand	+
Start	186	End	6054
Name	OJ990605_32.9C03.C7.o2.np	Method	AAT/NAP
Start	1255	End	2708
GI	2626753	Score	443
Exons	1255..1393, 1493..1578, 1731..1807, 1904..2041, 2601..2708		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
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Gene No. 48565 Strand +
 Start 186 End 6054
 Name OJ990605_32.9C03.C7.o1.gp Method AAT/GAP
 Start 1315 End 2117
 GI 6613_1.R1084 Score 704
 Exons 1315..1397, 1496..1578, 1731..1807, 1904..2117
 GI Descrip. '2626753/dbj|BAA23424| 2.0e-23 (AB008782) sulfate transporter
 [Arabidopsis thaliana]'

Seq. No. 23312 Seq. ID OJ990605_32.9C03.C7
 Gene No. 48565 Strand +
 Start 186 End 6054
 Name OJ990605_32.9C03.C7.o2.gp Method AAT/GAP
 Start 2190 End 2548
 GI none Score 693
 Exons 2190..2548

Seq. No. 23312 Seq. ID OJ990605_32.9C03.C7
 Gene No. 48566 Strand +
 Start 6303 End 9867
 Name OJ990605_32.9C03.C7.o2.gs Method GENSCAN
 Start 6303 End 9867
 GI none Score .58
 Exons 6303..6454, 6970..7099, 7135..7378, 9359..9504, 9838..9867

Seq. No. 23312 Seq. ID OJ990605_32.9C03.C7
 Gene No. 48567 Strand +
 Start 15507 End 23672
 Name OJ990605_32.9C03.C7.o5.gs Method GENSCAN
 Start 15507 End 23509
 GI none Score .63
 Exons 15507..15548, 15658..15751, 15799..15869, 16597..16748,
 16787..16905, 17108..17221, 18963..19118, 19272..19511,
 19616..19842, 20253..20462, 20558..20705, 20738..21324,
 21535..21756, 21797..22097, 22402..22597, 22836..22942,
 23129..23226, 23330..23509

Seq. No. 23312 Seq. ID OJ990605_32.9C03.C7
 Gene No. 48567 Strand +
 Start 15507 End 23672
 Name OJ990605_32.9C03.C7.o5.np Method AAT/NAP
 Start 19500 End 23672
 GI 6498441 Score 2397
 Exons 19500..20562, 20877..21339, 21400..21773, 21958..22095,
 22268..22597, 23301..23355, 23583..23672
 GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the
 predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type
 retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No. 23312 Seq. ID OJ990605_32.9C03.C7
 Gene No. 48568 Strand -
 Start 1 End 2167
 Name OJ990605_32.9C03.C7.o1.np Method AAT/NAP
 Start 1 End 2167
 GI 6498436 Score 228
 Exons 1..404, 2131..2167
 GI Descrip. (AP000815) hypothetical protein [Oryza sativa]

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48569	Strand	-
Start	3463	End	3537
Name	OJ990605_32.9C03.C7.o3.gp	Method	AAT/GAP
Start	3463	End	3537
GI	LIB3477-003-P1-K1-E9	Score	98
Exons	3463..3537		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S.1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48570	Strand	-
Start	11742	End	11945
Name	OJ990605_32.9C03.C7.o3.gs	Method	GENSCAN
Start	11742	End	11945
GI	none	Score	.62
Exons	11742..11871, 11929..11945		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48571	Strand	-
Start	13730	End	15225
Name	OJ990605_32.9C03.C7.o4.gs	Method	GENSCAN
Start	13730	End	15225
GI	none	Score	.63
Exons	13730..13752, 14108..14168, 14193..14503, 14782..15033, 15150..15225		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	1253	End	2040
GI	none	Score	226
Exons	1253..1393, 1254..1394, 1520..1576, 1720..1791, 1721..1822, 1898..2035, 1906..2040		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	1253	End	2040
GI	none	Score	223
Exons	1253..1396, 1254..1394, 1304..1396, 1306..1398, 1489..1515, 1491..1532, 1521..1577, 1720..1797, 1721..1822, 1727..1810, 1898..2035, 1901..2008, 1903..2040		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	1490	End	2125
GI	none	Score	68
Exons	1490..1534, 1491..1535, 1516..1578, 1527..1577, 1720..1803, 1721..1822, 1733..1810, 1898..2125, 1902..2078, 1903..2118		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o4.tw	Method	TBLASTX:Wheat
Start	8718	End	9055
GI	none	Score	245
Exons	8718..8993, 8732..8992, 8993..9055		
Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	9304	End	10176
GI	none	Score	357
Exons	9304..9723, 9315..9686, 9721..9822, 9783..9815, 9854..9889, 9894..9929, 9895..10176, 9976..10113		
Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o5.tw	Method	TBLASTX:Wheat
Start	9346	End	9654
GI	none	Score	259
Exons	9346..9654, 9378..9614		
Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o4.tm	Method	TBLASTX:Maize
Start	10446	End	10878
GI	none	Score	278
Exons	10446..10814, 10447..10818, 10831..10878		
Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o6.tw	Method	TBLASTX:Wheat
Start	10651	End	10977
GI	none	Score	149
Exons	10651..10878, 10873..10977		
Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	20760	End	23586
GI	none	Score	386
Exons	20760..20906, 20761..21249, 20961..21248, 23422..23586		
Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	21408	End	21831
GI	none	Score	103
Exons	21408..21764, 21408..21830, 21409..21831		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o3.tm	Method	TBLASTX:Maize
Start	21579	End	21895
GI	none	Score	291
Exons	21579..21827, 21580..21834, 21592..21828, 21835..21885, 21836..21895		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o6.np	Method	AAT/NAP
Start	21584	End	23672
GI	5803259	Score	443
Exons	21584..21667, 22616..23195, 23300..23672		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o5.tm	Method	TBLASTX:Maize
Start	21923	End	22307
GI	none	Score	80
Exons	21923..22009, 21992..22201, 22057..22200, 22212..22307, 22229..22288		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o3.tw	Method	TBLASTX:Wheat
Start	21979	End	22399
GI	none	Score	209
Exons	21979..22011, 21992..22201, 22057..22182, 22082..22216, 22209..22382, 22211..22399		

Seq. No.	23312	Seq. ID	OJ990605_32.9C03.C7
Gene No.	48572	Strand	-
Start	21584	End	23672
Name	OJ990605_32.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	22031	End	22382
GI	none	Score	140
Exons	22031..22195, 22212..22382		

Seq. No.	23313	Seq. ID	OJ990605_32.9C03.C8
Gene No.	48573	Strand	+
Start	4548	End	10898
Name	OJ990605_32.9C03.C8.o2.gs	Method	GENSCAN
Start	4548	End	10898
GI	none	Score	.73
Exons	4548..4858, 4870..5433, 5766..6124, 6219..7333, 7432..7608, 8785..8889, 9101..9235, 9395..9553, 9686..9802, 9876..10002, 10086..10216, 10335..10898		

Seq. No.	23313	Seq. ID	OJ990605_32.9C03.C8
Gene No.	48573	Strand	+
Start	4548	End	10898

Name OJ990605_32.9C03.C8.o1.gp Method AAT/GAP
 Start 5893 End 6517
 GI uC-osrom202031b07b1 Score 1018
 Exons 5893..6124, 6219..6517
 GI Descrip. '5901892/ref|NP_009017.1|pAND-1| 3.0e-11 AND-1 protein
 >gi_3287173_emb_CAA06932_ (AJ006266) AND-1 protein [Homo
 sapiens]'

Seq. No. 23313 Seq. ID OJ990605_32.9C03.C8
 Gene No. 48574 Strand +
 Start 15190 End 16176
 Name OJ990605_32.9C03.C8.o3.gs Method GENSCAN
 Start 15190 End 16176
 GI none Score .96
 Exons 15190..16176

Seq. No. 23313 Seq. ID OJ990605_32.9C03.C8
 Gene No. 48575 Strand -
 Start 1 End 2851
 Name OJ990605_32.9C03.C8.o1.np Method AAT/NAP
 Start 1 End 2851
 GI 6539586 Score 261
 Exons 1..698, 2820..2851
 GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No. 23313 Seq. ID OJ990605_32.9C03.C8
 Gene No. 48576 Strand -
 Start 13189 End 14377
 Name OJ990605_32.9C03.C8.o4.np Method AAT/NAP
 Start 13189 End 14377
 GI 5042463 Score 167
 Exons 13189..13299, 13344..13498, 14197..14377
 GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No. 23314 Seq. ID OJ990605_32.9C03.C9
 Gene No. 48577 Strand +
 Start 28 End 1776
 Name OJ990605_32.9C03.C9.o1.gs Method GENSCAN
 Start 28 End 1776
 GI none Score .78
 Exons 28..97, 206..411, 489..644, 906..1031, 1102..1248, 1285..1776

Seq. No. 23314 Seq. ID OJ990605_32.9C03.C9
 Gene No. 48578 Strand +
 Start 6527 End 7133
 Name OJ990605_32.9C03.C9.o3.gs Method GENSCAN
 Start 6527 End 7133
 GI none Score .88
 Exons 6527..6600, 6692..6832, 6980..7133

Seq. No. 23314 Seq. ID OJ990605_32.9C03.C9
 Gene No. 48579 Strand +
 Start 8094 End 13821
 Name OJ990605_32.9C03.C9.o4.gs Method GENSCAN
 Start 8094 End 13821
 GI none Score .48
 Exons 8094..8536, 8542..9496, 11586..11665, 12928..12973, 13066..13821

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48579	Strand	+
Start	8094	End	13821
Name	OJ990605_32.9C03.C9.o1.gp	Method	AAT/GAP
Start	12402	End	12806
GI	LIB3474-011-P1-K1-A9	Score	782
Exons	12402..12806		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48580	Strand	+
Start	14663	End	16552
Name	OJ990605_32.9C03.C9.o5.gs	Method	GENSCAN
Start	14663	End	15739
GI	none	Score	.92
Exons	14663..15739		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48580	Strand	+
Start	14663	End	16552
Name	OJ990605_32.9C03.C9.o3.np	Method	AAT/NAP
Start	14795	End	15714
GI	2213632	Score	740
Exons	14795..15714		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48580	Strand	+
Start	14663	End	16552
Name	OJ990605_32.9C03.C9.o3.gp	Method	AAT/GAP
Start	15356	End	16552
GI	5003535	Score	1352
Exons	15356..15744, 15827..15870, 16278..16552		
GI Descrip.	6069570/dbj BAA85461.1 3.0e-22 (AB022081) ORF-c [Brassica rapa]		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48581	Strand	+
Start	19746	End	20286
Name	OJ990605_32.9C03.C9.o6.gs	Method	GENSCAN
Start	19746	End	20286
GI	none	Score	.78
Exons	19746..19840, 20148..20286		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48582	Strand	+
Start	23507	End	24083
Name	OJ990605_32.9C03.C9.o8.gs	Method	GENSCAN
Start	23507	End	24083
GI	none	Score	.93
Exons	23507..23557, 23850..24083		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48583	Strand	-
Start	1866	End	7469

Name	OJ990605_32.9C03.C9.o2.gs	Method	GENSCAN
Start	1866	End	6125
GI	none	Score	.6
Exons	1866..1890, 2067..2130, 2778..2831, 3648..3934, 4062..4534, 4901..5276, 5297..5666, 5714..6125		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48583	Strand	-
Start	1866	End	7469
Name	OJ990605_32.9C03.C9.o1.np	Method	AAT/NAP
Start	3409	End	4572
GI	629693	Score	502
Exons	3409..4572		
GI Descrip.	probable integrase - common tobacco (fragment) gi 530742 emb CAA56791 (X80830) integrase [Nicotiana tabacum]		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48583	Strand	-
Start	1866	End	7469
Name	OJ990605_32.9C03.C9.o2.np	Method	AAT/NAP
Start	3457	End	7469
GI	5902445	Score	973
Exons	3457..6141, 7448..7469		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48584	Strand	-
Start	14920	End	15643
Name	OJ990605_32.9C03.C9.o2.gp	Method	AAT/GAP
Start	14920	End	15643
GI	29109_2.R1084	Score	627
Exons	14920..15287, 15617..15643		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48585	Strand	-
Start	19094	End	19666
Name	OJ990605_32.9C03.C9.o4.gp	Method	AAT/GAP
Start	19094	End	19666
GI	4879016	Score	802
Exons	19094..19666		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48586	Strand	-
Start	20756	End	22137
Name	OJ990605_32.9C03.C9.o4.ts	Method	TBLASTX:Soybean
Start	3463	End	3696
GI	none	Score	108
Exons	3463..3696, 3557..3679, 3562..3696		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48586	Strand	-

Start 20756
 Name OJ990605_32.9C03.C9.o4.tw
 Start 3472
 GI none
 Exons 3472..3879

End 22137
 Method TBLASTX:Wheat
 End 3879
 Score 207

Seq. No. 23314
 Gene No. 48586
 Start 20756
 Name OJ990605_32.9C03.C9.o3.ts
 Start 4241
 GI none
 Exons 4241..4522, 4242..4334

Seq. ID OJ990605_32.9C03.C9
 Strand -
 End 22137
 Method TBLASTX:Soybean
 End 4522
 Score 63

Seq. No. 23314
 Gene No. 48586
 Start 20756
 Name OJ990605_32.9C03.C9.o4.tm
 Start 4271
 GI none
 Exons 4271..4603

Seq. ID OJ990605_32.9C03.C9
 Strand -
 End 22137
 Method TBLASTX:Maize
 End 4603
 Score 207

Seq. No. 23314
 Gene No. 48586
 Start 20756
 Name OJ990605_32.9C03.C9.o2.ts
 Start 4892
 GI none
 Exons 4892..5131, 4989..5144, 5165..5242, 5169..5252, 5191..5301, 5243..5299

Seq. ID OJ990605_32.9C03.C9
 Strand -
 End 22137
 Method TBLASTX:Soybean
 End 5301
 Score 77

Seq. No. 23314
 Gene No. 48586
 Start 20756
 Name OJ990605_32.9C03.C9.o1.ts
 Start 5452
 GI none
 Exons 5452..5649, 5459..5596, 5640..5921, 5683..5880

Seq. ID OJ990605_32.9C03.C9
 Strand -
 End 22137
 Method TBLASTX:Soybean
 End 5921
 Score 75

Seq. No. 23314
 Gene No. 48586
 Start 20756
 Name OJ990605_32.9C03.C9.o2.tm
 Start 5610
 GI none
 Exons 5610..6068, 5611..5916, 5787..6062, 6004..6066

Seq. ID OJ990605_32.9C03.C9
 Strand -
 End 22137
 Method TBLASTX:Maize
 End 6068
 Score 191

Seq. No. 23314
 Gene No. 48586
 Start 20756
 Name OJ990605_32.9C03.C9.o3.tw
 Start 5940
 GI none
 Exons 5940..6161, 5967..6164, 5986..6165

Seq. ID OJ990605_32.9C03.C9
 Strand -
 End 22137
 Method TBLASTX:Wheat
 End 6165
 Score 112

Seq. No. 23314
 Gene No. 48586

Seq. ID OJ990605_32.9C03.C9
 Strand -

Start	20756	End	22137
Name	OJ990605_32.9C03.C9.o5.tm	Method	TBLASTX:Maize
Start	13066	End	13259
GI	none	Score	200
Exons	13066..13212, 13071..13259, 13072..13224		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48586	Strand	-
Start	20756	End	22137
Name	OJ990605_32.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	14570	End	14959
GI	none	Score	295
Exons	14570..14959, 14623..14949		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48586	Strand	-
Start	20756	End	22137
Name	OJ990605_32.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	14576	End	15241
GI	none	Score	395
Exons	14576..15019, 14623..14865, 14977..15015, 15044..15076, 15079..15153, 15098..15148, 15149..15241		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48586	Strand	-
Start	20756	End	22137
Name	OJ990605_32.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	15091	End	15505
GI	none	Score	207
Exons	15091..15234, 15092..15274, 15269..15505, 15277..15504		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48586	Strand	-
Start	20756	End	22137
Name	OJ990605_32.9C03.C9.o3.tm	Method	TBLASTX:Maize
Start	15242	End	15517
GI	none	Score	174
Exons	15242..15412, 15251..15412, 15277..15414, 15401..15448, 15406..15450, 15458..15517, 15485..15517		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48586	Strand	-
Start	20756	End	22137
Name	OJ990605_32.9C03.C9.o6.tm	Method	TBLASTX:Maize
Start	15527	End	15721
GI	none	Score	195
Exons	15527..15721, 15539..15712, 15556..15720		

Seq. No.	23314	Seq. ID	OJ990605_32.9C03.C9
Gene No.	48586	Strand	-
Start	20756	End	22137
Name	OJ990605_32.9C03.C9.o7.gs	Method	GENSCAN
Start	20756	End	22137
GI	none	Score	.97
Exons	20756..21028, 21159..21197, 22129..22137		

Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
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Gene No.	48587	Strand	+
Start	1358	End	7105
Name	OJ990605_32.9C03.C10.o2.np	Method	AAT/NAP
Start	1358	End	6148
GI	2129618	Score	262
Exons	1358..1386, 2568..3127, 6128..6148		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi 806535 emb CAA57397 (X81801) Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48587	Strand	+
Start	1358	End	7105
Name	OJ990605_32.9C03.C10.o2.gs	Method	GENSCAN
Start	2341	End	4945
GI	none	Score	.68
Exons	2341..2654, 2676..3405, 3447..3512, 3570..3702, 4761..4889, 4914..4945		

Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48587	Strand	+
Start	1358	End	7105
Name	OJ990605_32.9C03.C10.o3.gs	Method	GENSCAN
Start	5880	End	7105
GI	none	Score	.92
Exons	5880..6689, 6752..7105		

Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48588	Strand	+
Start	11089	End	13390
Name	OJ990605_32.9C03.C10.o3.np	Method	AAT/NAP
Start	11089	End	13390
GI	3668118	Score	1288
Exons	11089..11187, 11851..12128, 12213..12482, 12571..13161, 13250..13390		
GI Descrip.	(AJ224078) hypothetical protein [Brassica napus]		

Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48589	Strand	-
Start	303	End	1123
Name	OJ990605_32.9C03.C10.o1.gs	Method	GENSCAN
Start	303	End	1123
GI	none	Score	.96
Exons	303..699, 1092..1123		

Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48590	Strand	-
Start	1351	End	17010
Name	OJ990605_32.9C03.C10.o1.np	Method	AAT/NAP
Start	1351	End	17010
GI	4680183	Score	186
Exons	1351..1440, 2046..2116, 16968..17010		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48590	Strand	-
Start	1351	End	17010

Name	OJ990605_32.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	2647	End	3042
GI	none	Score	106
Exons	2647..2763, 2779..2994, 2968..3042		
Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48590	Strand	-
Start	1351	End	17010
Name	OJ990605_32.9C03.C10.o2.ts	Method	TBLASTX:Soybean
Start	2647	End	3057
GI	none	Score	68
Exons	2647..2751, 2779..3057		
Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48590	Strand	-
Start	1351	End	17010
Name	OJ990605_32.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	10680	End	13410
GI	none	Score	67
Exons	10680..10733, 11843..11953, 11850..11936, 11939..12046, 11949..12053, 12210..12485, 12211..12471, 12212..12487, 12561..13160, 12571..13161, 13247..13393, 13247..13390, 13249..13410		
Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48590	Strand	-
Start	1351	End	17010
Name	OJ990605_32.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	12387	End	13297
GI	none	Score	62
Exons	12387..12515, 12598..12633, 12606..12800, 12607..12804, 12855..13154, 12856..13155, 13250..13297		
Seq. No.	23315	Seq. ID	OJ990605_32.9C03.C10
Gene No.	48590	Strand	-
Start	1351	End	17010
Name	OJ990605_32.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	12889	End	13149
GI	none	Score	252
Exons	12889..13149, 12891..13124		
Seq. No.	23316	Seq. ID	OJ990515_22.9C23.C1
Gene No.	48591	Strand	+
Start	1328	End	3272
Name	OJ990515_22.9C23.C1.o1.np	Method	AAT/NAP
Start	1328	End	3272
GI	4680186	Score	309
Exons	1328..1346, 3072..3272		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	23316	Seq. ID	OJ990515_22.9C23.C1
Gene No.	48592	Strand	-
Start	2825	End	3205
Name	OJ990515_22.9C23.C1.o1.gp	Method	AAT/GAP
Start	2825	End	3205
GI	uC-osflcyp033a04b1	Score	630
Exons	2825..3205		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	23316	Seq. ID	OJ990515_22.9C23.C1
Gene No.	48593	Strand	-
Start	3662	End	8134
Name	OJ990515_22.9C23.C1.o2.gs	Method	GENSCAN
Start	3662	End	8134
GI	none	Score	.42
Exons	3662..3765, 4317..4451, 4505..4638, 4736..4935, 4993..5176, 7380..7515, 7832..7863, 8007..8134		

Seq. No.	23316	Seq. ID	OJ990515_22.9C23.C1
Gene No.	48593	Strand	-
Start	3662	End	8134
Name	OJ990515_22.9C23.C1.o2.np	Method	AAT/NAP
Start	3665	End	5412
GI	6907087	Score	843
Exons	3665..3766, 4317..4978, 5021..5412		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o1.gp	Method	AAT/GAP
Start	218	End	4179
GI	342_1.R1084	Score	5500
Exons	218..238, 722..4179		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o1.gs	Method	GENSCAN
Start	510	End	3583
GI	none	Score	.49
Exons	510..633, 781..1495, 1663..1989, 2004..2849, 3030..3583		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o4.tw	Method	TBLASTX:Wheat
Start	748	End	967
GI	none	Score	248
Exons	748..957, 753..956, 755..967		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	888	End	1317
GI	none	Score	103
Exons	888..971, 889..963, 964..1059, 1048..1317, 1075..1299		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o2.tc	Method	TBLASTX:Cress
Start	1057	End	1398
GI	none	Score	286
Exons	1057..1398, 1251..1379		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o1.np	Method	AAT/NAP
Start	1078	End	3024
GI	6742729	Score	2945
Exons	1078..3024		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o2.tw	Method	TBLASTX:Wheat
Start	1185	End	1655
GI	none	Score	62
Exons	1185..1238, 1186..1242, 1239..1340, 1240..1344, 1348..1446, 1353..1445, 1356..1448, 1363..1446, 1426..1653, 1446..1655, 1449..1655		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	1233	End	1644
GI	none	Score	235
Exons	1233..1484, 1243..1485, 1495..1644		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o3.tw	Method	TBLASTX:Wheat
Start	1737	End	2176
GI	none	Score	105
Exons	1737..1859, 1739..1882, 1856..2008, 1857..2009, 2021..2167, 2060..2176, 2101..2175		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179
Name	OJ990515_22.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	2191	End	3508
GI	none	Score	945
Exons	2191..3069, 2192..3109, 2777..3094, 3102..3143, 3104..3151, 3107..3148, 3151..3246, 3155..3214, 3193..3336, 3194..3307, 3223..3342, 3224..3340, 3359..3427, 3416..3508		

Seq. No.	23317	Seq. ID	OJ990515_22.9C23.C2
Gene No.	48594	Strand	+
Start	218	End	4179

Name OJ990515_22.9C23.C2.o2.tm
 Start 2240
 GI none
 Exons 2240..2548, 2248..2520

Method TBLASTX:Maize
 End 2548
 Score 285

Seq. No. 23317
 Gene No. 48594
 Start 218
 Name OJ990515_22.9C23.C2.o1.tc
 Start 2479
 GI none
 Exons 2479..2892, 2479..2922, 2483..2926, 2777..2926

Seq. ID OJ990515_22.9C23.C2
 Strand +
 End 4179
 Method TBLASTX:Cress
 End 2926
 Score 165

Seq. No. 23318
 Gene No. 48595
 Start 116
 Name OJ990515_22.9C23.C3.o1.gs
 Start 116
 GI none
 Exons 116..203, 291..566, 941..977, 1523..1724, 1809..2015, 2024..2255, 2421..2823, 2871..2885, 2960..3121, 3260..3336, 3388..3795, 4056..4266, 4283..4428, 4511..4583, 4677..4775, 5632..5640

Seq. ID OJ990515_22.9C23.C3
 Strand +
 End 5677
 Method GENSCAN
 End 5640
 Score .6

Seq. No. 23318
 Gene No. 48595
 Start 116
 Name OJ990515_22.9C23.C3.o1.np
 Start 1508
 GI 4680204
 Exons 1508..2893, 2930..3562

Seq. ID OJ990515_22.9C23.C3
 Strand +
 End 5677
 Method AAT/NAP
 End 3562
 Score 796

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No. 23318
 Gene No. 48595
 Start 116
 Name OJ990515_22.9C23.C3.o2.np
 Start 1508
 GI 4680204
 Exons 1508..2893, 2930..3435, 5655..5677

Seq. ID OJ990515_22.9C23.C3
 Strand +
 End 5677
 Method AAT/NAP
 End 5677
 Score 779

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No. 23318
 Gene No. 48596
 Start 4128
 Name OJ990515_22.9C23.C3.o1.tw
 Start 2150
 GI none
 Exons 2150..2266, 2152..2391, 2152..2346, 2253..2393, 2383..2553, 2448..2552, 2449..2553

Seq. ID OJ990515_22.9C23.C3
 Strand -
 End 5360
 Method TBLASTX:Wheat
 End 2553
 Score 203

Seq. No. 23318
 Gene No. 48596
 Start 4128
 Name OJ990515_22.9C23.C3.o3.np
 Start 4128
 GI 862343

Seq. ID OJ990515_22.9C23.C3
 Strand -
 End 5360
 Method AAT/NAP
 End 5360
 Score 77

Exons 4128..4167, 5148..5360
 GI Descrip. (L10908) Gcap1 gene product [Mus musculus]
 gi|1092097|prf||2022314A granule cell marker protein [Mus
 musculus] gi|1092098|prf||2022315A granule cell marker protein
 [Mus musculus]

Seq. No. 23319 Seq. ID OJ990515_22.9C23.C4
 Gene No. 48597 Strand +
 Start 873 End 9358
 Name OJ990515_22.9C23.C4.o1.gs Method GENSCAN
 Start 873 End 8306
 GI none Score .73
 Exons 873..1929, 2744..2861, 2932..3120, 3155..3360, 3560..3593,
 4213..4249, 4800..5012, 5031..5298, 6208..6375, 6912..8132,
 8188..8306

Seq. No. 23319 Seq. ID OJ990515_22.9C23.C4
 Gene No. 48597 Strand +
 Start 873 End 9358
 Name OJ990515_22.9C23.C4.o2.np Method AAT/NAP
 Start 6970 End 9358
 GI 6665543 Score 409
 Exons 6970..7355, 7503..8151, 9277..9358
 GI Descrip. (AC013289) putative protein kinase [Arabidopsis thaliana]

Seq. No. 23319 Seq. ID OJ990515_22.9C23.C4
 Gene No. 48598 Strand +
 Start 17026 End 24626
 Name OJ990515_22.9C23.C4.o4.np Method AAT/NAP
 Start 17026 End 20348
 GI 6721512 Score 50
 Exons 17026..17067, 18598..18736, 20272..20348
 GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 23319 Seq. ID OJ990515_22.9C23.C4
 Gene No. 48598 Strand +
 Start 17026 End 24626
 Name OJ990515_22.9C23.C4.o4.gs Method GENSCAN
 Start 18455 End 24358
 GI none Score .64
 Exons 18455..18602, 18871..18890, 18958..19139, 19173..19310,
 19344..19420, 19685..19834, 19946..20455, 20536..20573,
 21467..21658, 23531..23665, 23738..23796, 23866..24358

Seq. No. 23319 Seq. ID OJ990515_22.9C23.C4
 Gene No. 48598 Strand +
 Start 17026 End 24626
 Name OJ990515_22.9C23.C4.o6.np Method AAT/NAP
 Start 22483 End 24626
 GI 6721561 Score 930
 Exons 22483..22551, 23486..23665, 23738..23796, 23866..24626
 GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the
 predicted gene.; hypothetical protein [Oryza sativa]
 gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)
 corresponds to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No.	23319	Seq. ID	OJ990515_22.9C23.C4
Gene No.	48599	Strand	-
Start	14671	End	16647
Name	OJ990515_22.9C23.C4.o3.np	Method	AAT/NAP
Start	14671	End	16647
GI	6063554	Score	178
Exons	14671..14843, 15998..16236, 16350..16647		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein: [Oryza sativa]		

Seq. No.	23319	Seq. ID	OJ990515_22.9C23.C4
Gene No.	48599	Strand	-
Start	14671	End	16647
Name	OJ990515_22.9C23.C4.o3.gs	Method	GENSCAN
Start	15782	End	16254
GI	none	Score	.79
Exons	15782..16008, 16014..16254		

Seq. No.	23319	Seq. ID	OJ990515_22.9C23.C4
Gene No.	48600	Strand	-
Start	21069	End	22812
Name	OJ990515_22.9C23.C4.o5.np	Method	AAT/NAP
Start	21069	End	22812
GI	5852180	Score	232
Exons	21069..21220, 21497..21712, 22724..22812		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	23319	Seq. ID	OJ990515_22.9C23.C4
Gene No.	48601	Strand	-
Start	23095	End	23352
Name	OJ990515_22.9C23.C4.o2.ts	Method	TBLASTX:Soybean
Start	6998	End	7309
GI	none	Score	206
Exons	6998..7309, 7081..7308		

Seq. No.	23319	Seq. ID	OJ990515_22.9C23.C4
Gene No.	48601	Strand	-
Start	23095	End	23352
Name	OJ990515_22.9C23.C4.o1.tc	Method	TBLASTX:Cress
Start	7028	End	8014
GI	none	Score	71
Exons	7028..7135, 7130..7321, 7511..7816, 7720..7815, 7916..8014		

Seq. No.	23319	Seq. ID	OJ990515_22.9C23.C4
Gene No.	48601	Strand	-
Start	23095	End	23352
Name	OJ990515_22.9C23.C4.o2.tw	Method	TBLASTX:Wheat
Start	7067	End	7312
GI	none	Score	197
Exons	7067..7291, 7079..7312, 7081..7308		

Seq. No.	23319	Seq. ID	OJ990515_22.9C23.C4
Gene No.	48601	Strand	-
Start	23095	End	23352
Name	OJ990515_22.9C23.C4.o2.tm	Method	TBLASTX:Maize
Start	7081	End	7321

GI none
Exons 7081..7308, 7082..7321

Score 219

Seq. No. 23319
Gene No. 48601
Start 23095
Name OJ990515_22.9C23.C4.o1.ts
Start 7487
GI none
Exons 7487..7855

Seq. ID OJ990515_22.9C23.C4
Strand -
End 23352
Method TBLASTX:Soybean
End 7855
Score 235

Seq. No. 23319
Gene No. 48601
Start 23095
Name OJ990515_22.9C23.C4.o1.tm
Start 7502
GI none
Exons 7502..7663, 7697..7849, 7717..7827, 7823..8014

Seq. ID OJ990515_22.9C23.C4
Strand -
End 23352
Method TBLASTX:Maize
End 8014
Score 146

Seq. No. 23319
Gene No. 48601
Start 23095
Name OJ990515_22.9C23.C4.o1.tw
Start 7511
GI none
Exons 7511..7657, 7516..7653, 7715..7804, 7720..7803

Seq. ID OJ990515_22.9C23.C4
Strand -
End 23352
Method TBLASTX:Wheat
End 7804
Score 148

Seq. No. 23319
Gene No. 48601
Start 23095
Name OJ990515_22.9C23.C4.o2.gp
Start 23095
GI 61605_3.R1084
Exons 23095..23352
GI Descrip. '1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'

Seq. ID OJ990515_22.9C23.C4
Strand -
End 23352
Method AAT/GAP
End 23352
Score 424

Seq. No. 23320
Gene No. 48602
Start 13
Name OJ990515_22.9C23.C5.o1.gs
Start 13
GI none
Exons 13..66, 106..219

Seq. ID OJ990515_22.9C23.C5
Strand +
End 219
Method GENSCAN
End 219
Score .57

Seq. No. 23320
Gene No. 48603
Start 1
Name OJ990515_22.9C23.C5.o1.np
Start 1
GI 4680179
Exons 1..43, 484..1102, 1136..2218
GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. ID OJ990515_22.9C23.C5
Strand -
End 2218
Method AAT/NAP
End 2218
Score 1266

Seq. No. 23320
Gene No. 48603
Start 1

Seq. ID OJ990515_22.9C23.C5
Strand -
End 2218

Name	OJ990515_22.9C23.C5.o2.gs	Method	GENSCAN
Start	455	End	2218
GI	none	Score	.91
Exons	455..2218		
Seq. No.	23320	Seq. ID	OJ990515_22.9C23.C5
Gene No.	48604	Strand	-
Start	2467	End	4542
Name	OJ990515_22.9C23.C5.o3.gs	Method	GENSCAN
Start	2467	End	4363
GI	none	Score	.93
Exons	2467..3081, 3115..3276, 4292..4363		
Seq. No.	23320	Seq. ID	OJ990515_22.9C23.C5
Gene No.	48604	Strand	-
Start	2467	End	4542
Name	OJ990515_22.9C23.C5.o1.gp	Method	AAT/GAP
Start	4160	End	4542
GI	uC-osflcyp033a04b1	Score	700
Exons	4160..4542		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	23320	Seq. ID	OJ990515_22.9C23.C5
Gene No.	48605	Strand	-
Start	4973	End	5817
Name	OJ990515_22.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	653	End	1075
GI	none	Score	64
Exons	653..820, 708..821, 866..1075, 867..1019		
Seq. No.	23320	Seq. ID	OJ990515_22.9C23.C5
Gene No.	48605	Strand	-
Start	4973	End	5817
Name	OJ990515_22.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	758	End	1111
GI	none	Score	188
Exons	758..1111		
Seq. No.	23320	Seq. ID	OJ990515_22.9C23.C5
Gene No.	48605	Strand	-
Start	4973	End	5817
Name	OJ990515_22.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	1394	End	1745
GI	none	Score	112
Exons	1394..1744, 1551..1745		
Seq. No.	23320	Seq. ID	OJ990515_22.9C23.C5
Gene No.	48605	Strand	-
Start	4973	End	5817
Name	OJ990515_22.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	1439	End	1744
GI	none	Score	90
Exons	1439..1744, 1614..1730		
Seq. No.	23320	Seq. ID	OJ990515_22.9C23.C5
Gene No.	48605	Strand	-

Start 4973
 Name OJ990515_22.9C23.C5.o3.tw
 Start 1779
 GI none
 Exons 1779..1976, 1781..1978

End 5817
 Method TBLASTX:Wheat
 End 1978
 Score 114

Seq. No. 23320
 Gene No. 48605
 Start 4973
 Name OJ990515_22.9C23.C5.o4.gs
 Start 4973
 GI none
 Exons 4973..5058, 5316..5454, 5617..5817

Seq. ID OJ990515_22.9C23.C5
 Strand -
 End 5817
 Method GENSCAN
 End 5817
 Score .59

Seq. No. 23321
 Gene No. 48606
 Start 4309
 Name OJ990515_22.9C23.C6.o1.gp
 Start 4309
 GI uC-osroM202024h08a1
 Exons 4309..4379

Seq. ID OJ990515_22.9C23.C6
 Strand +
 End 4379
 Method AAT/GAP
 End 4379
 Score 84

GI Descrip. '5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 23321
 Gene No. 48607
 Start 12557
 Name OJ990515_22.9C23.C6.o2.gp
 Start 12557
 GI uC-osflM202048c12b1
 Exons 12557..13080

Seq. ID OJ990515_22.9C23.C6
 Strand +
 End 13080
 Method AAT/GAP
 End 13080
 Score 850

GI Descrip. '5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No. 23321
 Gene No. 48608
 Start 13428
 Name OJ990515_22.9C23.C6.o3.gs
 Start 13428
 GI none
 Exons 13428..13976

Seq. ID OJ990515_22.9C23.C6
 Strand +
 End 13976
 Method GENSCAN
 End 13976
 Score .75

Seq. No. 23321
 Gene No. 48609
 Start 343
 Name OJ990515_22.9C23.C6.o1.gs
 Start 343
 GI none
 Exons 343..738, 772..1032, 1267..1654, 1751..2877

Seq. ID OJ990515_22.9C23.C6
 Strand -
 End 2877
 Method GENSCAN
 End 2877
 Score .79

Seq. No. 23321
 Gene No. 48609
 Start 343
 Name OJ990515_22.9C23.C6.o1.np
 Start 364
 GI 4539665
 Exons 364..2877

Seq. ID OJ990515_22.9C23.C6
 Strand -
 End 2877
 Method AAT/NAP
 End 2877
 Score 2855

GI Descrip. (AF061282) polyprotein [Sorghum bicolor]

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48610	Strand	-
Start	5748	End	19150
Name	OJ990515_22.9C23.C6.o2.np	Method	AAT/NAP
Start	5748	End	19150
GI	4680179	Score	5693
Exons	5748..8701, 17559..19150		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48610	Strand	-
Start	5748	End	19150
Name	OJ990515_22.9C23.C6.o4.gs	Method	GENSCAN
Start	14647	End	19092
GI	none	Score	.5
Exons	14647..15042, 15076..18865, 18980..19092		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o7.tm	Method	TBLASTX:Maize
Start	337	End	14865
GI	none	Score	37
Exons	337..369, 338..367, 370..567, 373..468, 461..556, 5738..5770, 5738..5803, 5772..5891, 5784..5984, 14640..14666, 14686..14865		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o5.tw	Method	TBLASTX:Wheat
Start	391	End	15028
GI	none	Score	117
Exons	391..723, 412..720, 455..724, 5793..6125, 5986..6033, 6009..6122, 6052..6126, 14695..15027, 14954..15028		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	571	End	15474
GI	none	Score	110
Exons	571..1011, 587..787, 851..1009, 1009..1170, 1084..1167, 5988..6413, 6111..6296, 6112..6414, 6409..6564, 6411..6572, 6418..6564, 6420..6566, 14890..15315, 14891..14986, 15014..15316, 15311..15466, 15313..15474, 15320..15466, 15322..15468		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o1.tw	Method	TBLASTX:Wheat
Start	724	End	15654
GI	none	Score	56
Exons	724..1350, 727..849, 845..1009, 1078..1206, 6126..6752, 6127..6750, 15028..15654, 15029..15097, 15034..15279,		

15140..15652

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o3.tm	Method	TBLASTX:Maize
Start	1219	End	15815
GI	none	Score	211
Exons	1219..1509, 1223..1510, 1359..1511, 6621..6911, 6624..6911, 6625..6912, 15523..15813, 15527..15814, 15714..15815		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o2.ts	Method	TBLASTX:Soybean
Start	1309	End	15862
GI	none	Score	151
Exons	1309..1569, 1310..1564, 6711..6971, 6712..6969, 15613..15861, 15614..15862		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	1333	End	15963
GI	none	Score	85
Exons	1333..1476, 1334..1474, 1477..1650, 6735..6878, 6736..6876, 6879..7061, 15637..15780, 15638..15778, 15781..15963		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o2.tw	Method	TBLASTX:Wheat
Start	1357	End	16197
GI	none	Score	253
Exons	1357..1695, 1358..1696, 1363..1701, 6759..7295, 6760..7293, 15661..16197, 15662..16195		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o2.tm	Method	TBLASTX:Maize
Start	1690	End	16581
GI	none	Score	174
Exons	1690..2019, 1708..2019, 1751..2020, 7321..7674, 7326..7679, 7333..7365, 7341..7673, 7411..7674, 16228..16581, 16243..16581		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o3.tw	Method	TBLASTX:Wheat
Start	1708	End	16684
GI	none	Score	116
Exons	1708..2121, 1710..1916, 1723..2079, 1751..2122, 7368..7781, 7374..7751, 7411..7782, 16269..16526, 16270..16683, 16285..16683, 16313..16684		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o3.ts	Method	TBLASTX:Soybean
Start	1840	End	16647
GI	none	Score	95
Exons	1840..2085, 1841..2068, 7497..7745, 16399..16647		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o4.tm	Method	TBLASTX:Maize
Start	2056	End	17118
GI	none	Score	50
Exons	2056..2370, 2099..2149, 2177..2230, 2377..2556, 2402..2548, 7716..8036, 7791..7964, 7837..7965, 8037..8216, 16618..16920, 16730..16867, 16975..17118		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	2107	End	17064
GI	none	Score	197
Exons	2107..2466, 2108..2398, 2426..2464, 2470..2502, 2471..2500, 7767..8126, 7777..8124, 8130..8162, 8130..8162, 16669..16920, 16679..16909, 16726..16923, 16883..17026, 16975..17028, 16976..17026, 17005..17064, 17032..17064		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o6.tw	Method	TBLASTX:Wheat
Start	2123	End	16929
GI	none	Score	262
Exons	2123..2392, 2123..2239, 2125..2394, 2125..2394, 7785..8027, 7785..8054, 7795..8052, 16687..16917, 16697..16909, 16699..16929, 16713..16925		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o4.tw	Method	TBLASTX:Wheat
Start	2443	End	17491
GI	none	Score	226
Exons	2443..2820, 2486..2866, 8103..8585, 8145..8525, 8296..8589, 17005..17487, 17047..17376, 17198..17491		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o4.ts	Method	TBLASTX:Soybean
Start	2575	End	17451
GI	none	Score	194
Exons	2575..2820, 8235..8549, 17137..17451		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
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Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o5.tm	Method	TBLASTX:Maize
Start	2624	End	17478
GI	none	Score	158
Exons	2624..2866, 2626..2817, 8285..8449, 8286..8441, 8286..8576, 8299..8475, 17188..17343, 17188..17478, 17201..17476		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o8.tw	Method	TBLASTX:Wheat
Start	8718	End	17973
GI	none	Score	58
Exons	8718..9071, 8761..8895, 17620..17973, 17663..17797		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o7.tw	Method	TBLASTX:Wheat
Start	9426	End	18680
GI	none	Score	48
Exons	9426..9770, 9575..9667, 9640..9744, 18319..18672, 18432..18680, 18477..18569, 18523..18645, 18542..18673		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o6.tm	Method	TBLASTX:Maize
Start	9471	End	18672
GI	none	Score	40
Exons	9471..9770, 18373..18672, 18377..18442, 18525..18551, 18542..18646		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o9.tw	Method	TBLASTX:Wheat
Start	9822	End	18906
GI	none	Score	130
Exons	9822..10004, 9823..10002, 18724..18906, 18725..18904		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o5.gs	Method	GENSCAN
Start	19364	End	20128
GI	none	Score	.9
Exons	19364..20128		

Seq. No.	23321	Seq. ID	OJ990515_22.9C23.C6
Gene No.	48611	Strand	-
Start	19364	End	20128
Name	OJ990515_22.9C23.C6.o3.np	Method	AAT/NAP
Start	19367	End	20128
GI	4512229	Score	1210
Exons	19367..20128		

GI Descrip. (AB014740) ORF0 protein [Oryza sativa]

Seq. No.	23322	Seq. ID	OJ990515_22.9C23.C7
Gene No.	48612	Strand	+
Start	3637	End	3934
Name	OJ990515_22.9C23.C7.o2.np	Method	AAT/NAP
Start	3637	End	3934
GI	6539588	Score	255

Exons 3637..3934

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	23322	Seq. ID	OJ990515_22.9C23.C7
Gene No.	48613	Strand	-
Start	1	End	1342
Name	OJ990515_22.9C23.C7.o1.np	Method	AAT/NAP
Start	1	End	1342
GI	4417306	Score	185

Exons 1..100, 579..664, 729..1342

GI Descrip. (AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]

Seq. No.	23322	Seq. ID	OJ990515_22.9C23.C7
Gene No.	48614	Strand	-
Start	4202	End	4517
Name	OJ990515_22.9C23.C7.o2.gs	Method	GENSCAN
Start	4202	End	4517
GI	none	Score	.82

Exons 4202..4344, 4367..4517

Seq. No.	23322	Seq. ID	OJ990515_22.9C23.C7
Gene No.	48615	Strand	-
Start	5083	End	6649
Name	OJ990515_22.9C23.C7.o3.gs	Method	GENSCAN
Start	5083	End	6649
GI	none	Score	.9

Exons 5083..5253, 5310..5506, 5620..5654, 6618..6649

Seq. No.	23322	Seq. ID	OJ990515_22.9C23.C7
Gene No.	48616	Strand	-
Start	7063	End	7873
Name	OJ990515_22.9C23.C7.o1.tw	Method	TBLASTX:Wheat
Start	727	End	6759
GI	none	Score	198

Exons 727..786, 957..1073, 6406..6759

Seq. No.	23322	Seq. ID	OJ990515_22.9C23.C7
Gene No.	48616	Strand	-
Start	7063	End	7873
Name	OJ990515_22.9C23.C7.o4.np	Method	AAT/NAP
Start	7063	End	7873
GI	5852181	Score	102

Exons 7063..7268, 7818..7873

GI Descrip. (AL117265) zhb0011.1 [Oryza sativa]

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48617	Strand	+
Start	690	End	2722

Name	OJ990515_22.9C23.C8.o1.gs	Method	GENSCAN
Start	690	End	2722
GI	none	Score	.47
Exons	690..910, 1170..1267, 2538..2722		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48618	Strand	+
Start	6071	End	6215
Name	OJ990515_22.9C23.C8.o1.gp	Method	AAT/GAP
Start	6071	End	6215
GI	85517_1.R1084	Score	113
Exons	6071..6215		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 4.0e-24 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48619	Strand	+
Start	9028	End	15268
Name	OJ990515_22.9C23.C8.o1.np	Method	AAT/NAP
Start	9028	End	15268
GI	5803260	Score	728
Exons	9028..9156, 9566..9786, 9872..10458, 10833..10918, 14140..15268		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48620	Strand	+
Start	15659	End	18303
Name	OJ990515_22.9C23.C8.o2.np	Method	AAT/NAP
Start	15659	End	18303
GI	6539588	Score	129
Exons	15659..15685, 16650..16896, 18280..18303		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48621	Strand	+
Start	19871	End	24005
Name	OJ990515_22.9C23.C8.o3.np	Method	AAT/NAP
Start	19871	End	23912
GI	2583130	Score	1711
Exons	19871..23392, 23445..23912		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48621	Strand	+
Start	19871	End	24005
Name	OJ990515_22.9C23.C8.o4.np	Method	AAT/NAP
Start	19871	End	24005
GI	2583130	Score	1706
Exons	19871..23392, 23445..24005		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48622	Strand	+
Start	24503	End	26048
Name	OJ990515_22.9C23.C8.o5.np	Method	AAT/NAP

Start	24503	End	26048
GI	6175155	Score	113
Exons	24503..24730, 24788..24881, 25836..26048		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o1.tc	Method	TBLASTX:Cress
Start	10049	End	15128
GI	none	Score	47
Exons	10049..10108, 10124..10213, 10364..10435, 14196..14249, 14219..14248, 14306..14533, 14310..14567, 14580..14900, 14588..14881, 14952..15128		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o1.ts	Method	TBLASTX:Soybean
Start	14202	End	14964
GI	none	Score	50
Exons	14202..14255, 14300..14395, 14310..14390, 14418..14570, 14423..14530, 14577..14897, 14635..14661, 14675..14911, 14911..14964		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	14297	End	14897
GI	none	Score	282
Exons	14297..14527, 14310..14561, 14598..14897, 14603..14896		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o4.tw	Method	TBLASTX:Wheat
Start	14301	End	14735
GI	none	Score	56
Exons	14301..14360, 14376..14735		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o5.tw	Method	TBLASTX:Wheat
Start	19990	End	20362
GI	none	Score	86
Exons	19990..20085, 20045..20167, 20162..20362, 20176..20313		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o3.ts	Method	TBLASTX:Soybean
Start	20814	End	21221
GI	none	Score	95
Exons	20814..20939, 20922..21221		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o2.tm	Method	TBLASTX:Maize
Start	21396	End	21857
GI	none	Score	103
Exons	21396..21551, 21585..21857		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o1.tw	Method	TBLASTX:Wheat
Start	21440	End	21821
GI	none	Score	246
Exons	21440..21655, 21441..21659, 21450..21662, 21451..21672, 21647..21820, 21654..21821		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o2.ts	Method	TBLASTX:Soybean
Start	21573	End	21872
GI	none	Score	192
Exons	21573..21872		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o2.tw	Method	TBLASTX:Wheat
Start	21992	End	22373
GI	none	Score	89
Exons	21992..22090, 21993..22091, 22092..22343, 22097..22372, 22098..22373		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o3.tm	Method	TBLASTX:Maize
Start	22184	End	22556
GI	none	Score	237
Exons	22184..22546, 22185..22556		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o3.tw	Method	TBLASTX:Wheat
Start	22974	End	23392
GI	none	Score	135
Exons	22974..23090, 22992..23111, 23111..23392, 23296..23379		

Seq. No.	23323	Seq. ID	OJ990515_22.9C23.C8
Gene No.	48623	Strand	-
Start	24943	End	25266
Name	OJ990515_22.9C23.C8.o4.gs	Method	GENSCAN
Start	24943	End	25266
GI	none	Score	.93
Exons	24943..25104, 25165..25266		

Seq. No.	23324	Seq. ID	OJ990915_20.9C01.C4
Gene No.	48624	Strand	+
Start	734	End	2709
Name	OJ990915_20.9C01.C4.o1.gp	Method	AAT/GAP
Start	734	End	1433
GI	none	Score	882
Exons	734..996, 1078..1203, 1334..1433		
Seq. No.	23324	Seq. ID	OJ990915_20.9C01.C4
Gene No.	48624	Strand	+
Start	734	End	2709
Name	OJ990915_20.9C01.C4.o1.gs	Method	GENSCAN
Start	924	End	1419
GI	none	Score	.76
Exons	924..996, 1078..1203, 1334..1419		
Seq. No.	23324	Seq. ID	OJ990915_20.9C01.C4
Gene No.	48624	Strand	+
Start	734	End	2709
Name	OJ990915_20.9C01.C4.o1.np	Method	AAT/NAP
Start	1077	End	2709
GI	6453906	Score	68
Exons	1077..1203, 1334..1443, 2673..2709		
GI Descrip.	(AC011663) unknown protein [Arabidopsis thaliana]		
Seq. No.	23325	Seq. ID	OJ990915_20.9C01.C5
Gene No.	48625	Strand	-
Start	1	End	1146
Name	OJ990915_20.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	706
GI	3746069	Score	86
Exons	1..61, 328..706		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	23325	Seq. ID	OJ990915_20.9C01.C5
Gene No.	48625	Strand	-
Start	1	End	1146
Name	OJ990915_20.9C01.C5.o1.gs	Method	GENSCAN
Start	161	End	1146
GI	none	Score	.66
Exons	161..690, 1023..1146		
Seq. No.	23325	Seq. ID	OJ990915_20.9C01.C5
Gene No.	48625	Strand	-
Start	1	End	1146
Name	OJ990915_20.9C01.C5.o1.tw	Method	TBLASTX:Wheat
Start	359	End	709
GI	none	Score	51
Exons	359..583, 383..433, 467..577, 563..709, 591..659		
Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48626	Strand	+
Start	427	End	2312
Name	OJ990915_20.9C01.C6.o1.gs	Method	GENSCAN
Start	427	End	2312

GI	none	Score	.55
Exons	427..601, 1165..1488, 1509..1690, 1730..1788, 1943..2312		
Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48627	Strand	+
Start	3992	End	5933
Name	OJ990915_20.9C01.C6.o1.gp	Method	AAT/GAP
Start	3896	End	5933
GI	9373_1.R1084	Score	1970
Exons	3896..4067, 4170..4304, 4431..4516, 5024..5118, 5271..5396, 5499..5933		
GI Descrip.	'2459421 9.0e-33 (AC002332) putative calcium-binding EF-hand protein [Arabidopsis thaliana]'		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48627	Strand	+
Start	3992	End	5933
Name	OJ990915_20.9C01.C6.o2.gs	Method	GENSCAN
Start	3992	End	5649
GI	none	Score	.86
Exons	3992..4067, 4170..4304, 4431..4516, 5024..5118, 5271..5396, 5499..5649		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48627	Strand	+
Start	3992	End	5933
Name	OJ990915_20.9C01.C6.o1.np	Method	AAT/NAP
Start	4181	End	5650
GI	6453907	Score	339
Exons	4181..4304, 4431..4516, 5024..5118, 5271..5396, 5499..5650		
GI Descrip.	(AC011663) unknown protein [Arabidopsis thaliana]		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48628	Strand	+
Start	6692	End	7528
Name	OJ990915_20.9C01.C6.o3.gs	Method	GENSCAN
Start	6692	End	7528
GI	none	Score	.97
Exons	6692..7528		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48628	Strand	+
Start	6692	End	7528
Name	OJ990915_20.9C01.C6.o2.np	Method	AAT/NAP
Start	6695	End	7474
GI	4220482	Score	448
Exons	6695..7474		
GI Descrip.	(AC006069) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48629	Strand	-
Start	7280	End	7749
Name	OJ990915_20.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	4231	End	5616
GI	none	Score	101
Exons	4231..4323, 4232..4330, 4426..4512, 4432..4515, 4442..4516, 5027..5119, 5268..5381, 5268..5393, 5269..5397, 5269..5397,		

5270..5398, 5506..5616

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48629	Strand	-
Start	7280	End	7749
Name	OJ990915_20.9C01.C6.o1.tw	Method	TBLASTX:Wheat
Start	4444	End	5625
GI	none	Score	71
Exons	4444..4518, 4450..4512, 5018..5119, 5041..5118, 5051..5119, 5052..5123, 5052..5120, 5262..5396, 5268..5396, 5269..5397, 5269..5397, 5494..5625, 5506..5625		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48629	Strand	-
Start	7280	End	7749
Name	OJ990915_20.9C01.C6.o2.ts	Method	TBLASTX:Soybean
Start	5268	End	5638
GI	none	Score	149
Exons	5268..5396, 5269..5397, 5500..5613, 5591..5638		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48629	Strand	-
Start	7280	End	7749
Name	OJ990915_20.9C01.C6.o1.tc	Method	TBLASTX:Cress
Start	5269	End	5625
GI	none	Score	121
Exons	5269..5397, 5271..5396, 5500..5625		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48629	Strand	-
Start	7280	End	7749
Name	OJ990915_20.9C01.C6.o2.tm	Method	TBLASTX:Maize
Start	6764	End	6982
GI	none	Score	187
Exons	6764..6916, 6787..6861, 6928..6981, 6929..6982		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48629	Strand	-
Start	7280	End	7749
Name	OJ990915_20.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	6788	End	7384
GI	none	Score	127
Exons	6788..6934, 6917..7129, 6928..7128, 7055..7132, 7241..7384		

Seq. No.	23326	Seq. ID	OJ990915_20.9C01.C6
Gene No.	48629	Strand	-
Start	7280	End	7749
Name	OJ990915_20.9C01.C6.o2.gp	Method	AAT/GAP
Start	7280	End	7749
GI	none	Score	823
Exons	7280..7749		

Seq. No.	23327	Seq. ID	OJ990915_20.9C01.C7
Gene No.	48630	Strand	-
Start	1	End	1404
Name	OJ990915_20.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	1404

GI	2829895	Score	486
Exons	1..19, 255..475, 825..1042, 1339..1404		
GI Descrip.	(AC002311) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23327	Seq. ID	OJ990915_20.9C01.C7
Gene No.	48630	Strand	-
Start	1	End	1404
Name	OJ990915_20.9C01.C7.o1.tm	Method	TBLASTX:Maize
Start	257	End	386
GI	none	Score	138
Exons	257..385, 260..385, 264..386		
Seq. No.	23327	Seq. ID	OJ990915_20.9C01.C7
Gene No.	48630	Strand	-
Start	1	End	1404
Name	OJ990915_20.9C01.C7.o1.gs	Method	GENSCAN
Start	822	End	1345
GI	none	Score	.6
Exons	822..1042, 1288..1345		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48631	Strand	+
Start	5465	End	8452
Name	OJ990915_20.9C01.C8.o2.np	Method	AAT/NAP
Start	5159	End	8449
GI	5042416	Score	788
Exons	5159..5237, 6527..6794, 7625..8449		
GI Descrip.	(AC006193) Unknown protein [Arabidopsis thaliana]		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48631	Strand	+
Start	5465	End	8452
Name	OJ990915_20.9C01.C8.o3.gs	Method	GENSCAN
Start	5465	End	8452
GI	none	Score	.63
Exons	5465..5596, 5743..5810, 6510..6794, 7625..8146, 8263..8452		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48631	Strand	+
Start	5465	End	8452
Name	OJ990915_20.9C01.C8.o1.gp	Method	AAT/GAP
Start	6585	End	7936
GI	uC-osflcyp035f01b1	Score	991
Exons	6585..6794, 7625..7936		
GI Descrip.	'5042416/gb AAD38255.1 AC006193_11 2.0e-35 (AC006193) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48632	Strand	-
Start	246	End	1280
Name	OJ990915_20.9C01.C8.o1.gs	Method	GENSCAN
Start	246	End	1280
GI	none	Score	.7
Exons	246..368, 509..608, 710..802, 1001..1044, 1131..1280		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48633	Strand	-

Start	2430	End	4052
Name	OJ990915_20.9C01.C8.o2.tm	Method	TBLASTX:Maize
Start	33	End	644
GI	none	Score	141
Exons	33..185, 33..182, 34..216, 37..192, 181..417, 188..385, 190..426, 210..452, 224..439, 231..452, 507..644, 509..607, 513..623, 514..624		

Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48633	Strand	-
Start	2430	End	4052
Name	OJ990915_20.9C01.C8.o2.tc	Method	TBLASTX:Cress
Start	288	End	1175
GI	none	Score	102
Exons	288..425, 313..426, 512..607, 513..608, 1131..1175		

Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48633	Strand	-
Start	2430	End	4052
Name	OJ990915_20.9C01.C8.o1.np	Method	AAT/NAP
Start	2430	End	4028
GI	6539248	Score	552
Exons	2430..2677, 2779..3026, 3136..3250, 3368..3494, 3584..3711, 3800..4028		
GI Descrip.	(AC011765) putative lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48633	Strand	-
Start	2430	End	4052
Name	OJ990915_20.9C01.C8.o2.gs	Method	GENSCAN
Start	2430	End	4052
GI	none	Score	.92
Exons	2430..2677, 2779..3080, 3115..3250, 3368..3494, 3584..3711, 3800..4052		

Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48633	Strand	-
Start	2430	End	4052
Name	OJ990915_20.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	2894	End	3713
GI	none	Score	175
Exons	2894..3034, 2895..3026, 2990..3034, 3138..3248, 3144..3254, 3366..3494, 3367..3495, 3581..3712, 3582..3713		

Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48633	Strand	-
Start	2430	End	4052
Name	OJ990915_20.9C01.C8.o2.ts	Method	TBLASTX:Soybean
Start	3572	End	3962
GI	none	Score	66
Exons	3572..3706, 3585..3641, 3801..3962, 3802..3957		

Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48633	Strand	-
Start	2430	End	4052
Name	OJ990915_20.9C01.C8.o3.tc	Method	TBLASTX:Cress
Start	3665	End	3959

GI	none	Score	110
Exons	3665..3700, 3802..3948, 3807..3959		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48633	Strand	-
Start	2430	End	4052
Name	OJ990915_20.9C01.C8.o4.tm	Method	TBLASTX:Maize
Start	3799	End	3969
GI	none	Score	165
Exons	3799..3825, 3801..3968, 3802..3945, 3886..3969		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48634	Strand	
Start	6502	End	8467
Name	OJ990915_20.9C01.C8.o3.ts	Method	TBLASTX:Soybean
Start	6502	End	8036
GI	none	Score	112
Exons	6502..6603, 6516..6782, 6521..6775, 6673..6792, 6679..6789, 7775..7927, 7776..7826, 7875..7958, 7983..8036		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48634	Strand	
Start	6502	End	8467
Name	OJ990915_20.9C01.C8.o5.tm	Method	TBLASTX:Maize
Start	6656	End	8380
GI	none	Score	210
Exons	6656..6742, 6664..6795, 6666..6797, 6673..6798, 6674..6796, 7775..7915, 7776..7883, 7779..7916, 7781..7918, 8333..8380		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48634	Strand	
Start	6502	End	8467
Name	OJ990915_20.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	7620	End	8467
GI	none	Score	98
Exons	7620..7775, 7827..7874, 8057..8452, 8123..8275, 8125..8451, 8318..8467		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48634	Strand	
Start	6502	End	8467
Name	OJ990915_20.9C01.C8.o3.tm	Method	TBLASTX:Maize
Start	7620	End	8293
GI	none	Score	113
Exons	7620..7775, 7959..8111, 7959..8114, 7961..8113, 8096..8293, 8110..8292		
Seq. No.	23328	Seq. ID	OJ990915_20.9C01.C8
Gene No.	48634	Strand	
Start	6502	End	8467
Name	OJ990915_20.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	7656	End	8425
GI	none	Score	124
Exons	7656..7874, 8164..8274, 8165..8278, 8288..8425, 8308..8418		
Seq. No.	23329	Seq. ID	OJ990915_20.9C01.C9
Gene No.	48635	Strand	+

Start	2504	End	5512
Name	OJ990915_20.9C01.C9.o2.gs	Method	GENSCAN
Start	2504	End	5512
GI	none	Score	.71
Exons	2504..2516, 2621..2811, 3149..3237, 4792..4815, 5257..5512		

Seq. No.	23329	Seq. ID	OJ990915_20.9C01.C9
Gene No.	48636	Strand	-
Start	74	End	2165
Name	OJ990915_20.9C01.C9.o1.np	Method	AAT/NAP
Start	74	End	2018
GI	2811014	Score	138
Exons	74..212, 903..939, 1922..2018		
GI Descrip.	DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM gi 2208914 dbj BAA20525 (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	23329	Seq. ID	OJ990915_20.9C01.C9
Gene No.	48636	Strand	-
Start	74	End	2165
Name	OJ990915_20.9C01.C9.o1.gs	Method	GENSCAN
Start	1034	End	2165
GI	none	Score	.95
Exons	1034..1048, 1863..2165		

Seq. No.	23329	Seq. ID	OJ990915_20.9C01.C9
Gene No.	48637	Strand	-
Start	5986	End	6561
Name	OJ990915_20.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	13	End	214
GI	4302625	Score	96
Exons	13..210, 56..214, 66..212		
GI Descrip.	2811014/sp_O02414 DYLI ANTCT 1.0e-10 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	23329	Seq. ID	OJ990915_20.9C01.C9
Gene No.	48637	Strand	-
Start	5986	End	6561
Name	OJ990915_20.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	56	End	220
GI	none	Score	175
Exons	56..211, 66..209, 68..220		

Seq. No.	23329	Seq. ID	OJ990915_20.9C01.C9
Gene No.	48637	Strand	-
Start	5986	End	6561
Name	OJ990915_20.9C01.C9.o1.tc	Method	TBLASTX:Cress
Start	65	End	218
GI	none	Score	108
Exons	65..217, 66..218		

Seq. No.	23329	Seq. ID	OJ990915_20.9C01.C9
Gene No.	48637	Strand	-
Start	5986	End	6561
Name	OJ990915_20.9C01.C9.o3.gs	Method	GENSCAN
Start	5986	End	6561

GI	none	Score	.79
Exons	5986..6561		
Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48638	Strand	+
Start	519	End	2196
Name	OJ990915_20.9C01.C11.o1.gs	Method	GENSCAN
Start	519	End	2196
GI	none	Score	.66
Exons	519..664, 1913..2056, 2091..2196		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48639	Strand	+
Start	3375	End	6637
Name	OJ990915_20.9C01.C11.o1.np	Method	AAT/NAP
Start	3375	End	6610
GI	3549291	Score	1749
Exons	3375..3605, 3699..4106, 4192..4446, 5909..6023, 6120..6610		
GI Descrip.	(AF074923) endo-1,4-beta-glucanase precursor [Fragaria x ananassa]		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48639	Strand	+
Start	3375	End	6637
Name	OJ990915_20.9C01.C11.o2.gs	Method	GENSCAN
Start	3375	End	6637
GI	none	Score	.98
Exons	3375..3605, 3699..4106, 4192..4446, 5909..6023, 6120..6637		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48640	Strand	-
Start	7342	End	7993
Name	OJ990915_20.9C01.C11.o2.tw	Method	TBLASTX:Wheat
Start	985	End	6556
GI	none	Score	164
Exons	985..1104, 6263..6388, 6265..6387, 6467..6496, 6469..6495, 6491..6556		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48640	Strand	-
Start	7342	End	7993
Name	OJ990915_20.9C01.C11.o1.tc	Method	TBLASTX:Cress
Start	3477	End	6607
GI	none	Score	192
Exons	3477..3608, 3698..4108, 3699..4109, 4191..4448, 4192..4446, 5887..5994, 5906..5998, 5996..6025, 5998..6024, 6118..6237, 6119..6235, 6245..6499, 6247..6420, 6466..6501, 6470..6607, 6484..6606		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48640	Strand	-
Start	7342	End	7993
Name	OJ990915_20.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	3477	End	4380
GI	none	Score	141
Exons	3477..3593, 3698..3817, 3699..3824, 3839..4078, 3840..4100, 4195..4236, 4228..4380, 4248..4322		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48640	Strand	-
Start	7342	End	7993
Name	OJ990915_20.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	3477	End	3958
GI	none	Score	164
Exons	3477..3608, 3698..3958, 3699..3956		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48640	Strand	-
Start	7342	End	7993
Name	OJ990915_20.9C01.C11.o1.tw	Method	TBLASTX:Wheat
Start	3483	End	3866
GI	none	Score	121
Exons	3483..3596, 3692..3775, 3705..3806, 3825..3866		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48640	Strand	-
Start	7342	End	7993
Name	OJ990915_20.9C01.C11.o2.tm	Method	TBLASTX:Maize
Start	6245	End	6616
GI	none	Score	236
Exons	6245..6502, 6274..6420, 6290..6493, 6484..6615, 6485..6616		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48640	Strand	-
Start	7342	End	7993
Name	OJ990915_20.9C01.C11.o2.ts	Method	TBLASTX:Soybean
Start	6286	End	6607
GI	none	Score	406
Exons	6286..6417, 6287..6607, 6469..6603		

Seq. No.	23330	Seq. ID	OJ990915_20.9C01.C11
Gene No.	48640	Strand	-
Start	7342	End	7993
Name	OJ990915_20.9C01.C11.o3.gs	Method	GENSCAN
Start	7342	End	7993
GI	none	Score	.74
Exons	7342..7836, 7916..7993		

Seq. No.	23331	Seq. ID	OJ990915_20.9C01.C12
Gene No.	48641	Strand	+
Start	149	End	625
Name	OJ990915_20.9C01.C12.o1.gs	Method	GENSCAN
Start	149	End	625
GI	none	Score	.47
Exons	149..311, 588..625		

Seq. No.	23331	Seq. ID	OJ990915_20.9C01.C12
Gene No.	48642	Strand	+
Start	8386	End	12089
Name	OJ990915_20.9C01.C12.o1.np	Method	AAT/NAP
Start	8296	End	12089
GI	5042454	Score	3319
Exons	8296..8446, 8796..8902, 8959..10668, 11299..12089		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23331	Seq. ID	OJ990915_20.9C01.C12
Gene No.	48642	Strand	+
Start	8386	End	12089
Name	OJ990915_20.9C01.C12.o5.gs	Method	GENSCAN
Start	8386	End	10669
GI	none	Score	.43
Exons	8386..8442, 8798..8902, 8959..9786, 9929..10041, 10059..10192, 10248..10669		

Seq. No.	23331	Seq. ID	OJ990915_20.9C01.C12
Gene No.	48642	Strand	+
Start	8386	End	12089
Name	OJ990915_20.9C01.C12.o1.gp	Method	AAT/GAP
Start	10808	End	11265
GI	2428323	Score	644
Exons	10808..11265		
GI Descrip.	5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	23331	Seq. ID	OJ990915_20.9C01.C12
Gene No.	48643	Strand	-
Start	1102	End	1626
Name	OJ990915_20.9C01.C12.o2.gs	Method	GENSCAN
Start	1102	End	1626
GI	none	Score	.99
Exons	1102..1626		

Seq. No.	23331	Seq. ID	OJ990915_20.9C01.C12
Gene No.	48644	Strand	-
Start	5745	End	7009
Name	OJ990915_20.9C01.C12.o4.gs	Method	GENSCAN
Start	5745	End	7009
GI	none	Score	.49
Exons	5745..5925, 6121..6247, 6382..6589, 6602..7009		

Seq. No.	23331	Seq. ID	OJ990915_20.9C01.C12
Gene No.	48645	Strand	
Start	9631	End	10023
Name	OJ990915_20.9C01.C12.o1.tw	Method	TBLASTX:Wheat
Start	9631	End	10023
GI	none	Score	58
Exons	9631..9678, 9685..9783, 9690..9782, 9750..9989, 9766..10023		

Seq. No.	23331	Seq. ID	OJ990915_20.9C01.C12
Gene No.	48645	Strand	
Start	9631	End	10023
Name	OJ990915_20.9C01.C12.o1:tm	Method	TBLASTX:Maize
Start	9673	End	9921
GI	none	Score	193
Exons	9673..9921, 9771..9920		

Seq. No.	23331	Seq. ID	OJ990915_20.9C01.C12
Gene No.	48646	Strand	
Start	11656	End	11952
Name	OJ990915_20.9C01.C12.o2.tw	Method	TBLASTX:Wheat
Start	11656	End	11952

GI	none	Score	262
Exons	11656..11952, 11716..11859, 11784..11948		
Seq. No.	23332	Seq. ID	OJ990915_20.9C01.C13
Gene No.	48647	Strand	+
Start	1612	End	4129
Name	OJ990915_20.9C01.C13.o1.gs	Method	GENSCAN
Start	1612	End	4075
GI	none	Score	.71
Exons	1612..1992, 2816..2914, 3313..3576, 3707..4075		

Seq. No.	23332	Seq. ID	OJ990915_20.9C01.C13
Gene No.	48647	Strand	+
Start	1612	End	4129
Name	OJ990915_20.9C01.C13.o1.np	Method	AAT/NAP
Start	1684	End	4078
GI	2213611	Score	1212
Exons	1684..1999, 2583..2749, 2816..3061, 3285..3576, 3707..4078		
GI Descrip.	(AC000103) F21J9.5 [Arabidopsis thaliana]		

Seq. No.	23332	Seq. ID	OJ990915_20.9C01.C13
Gene No.	48647	Strand	+
Start	1612	End	4129
Name	OJ990915_20.9C01.C13.o1.tc	Method	TBLASTX:Cress
Start	1756	End	2733
GI	none	Score	123
Exons	1756..1863, 2555..2731, 2572..2733, 2575..2733		

Seq. No.	23332	Seq. ID	OJ990915_20.9C01.C13
Gene No.	48647	Strand	+
Start	1612	End	4129
Name	OJ990915_20.9C01.C13.o1.gp	Method	AAT/GAP
Start	2585	End	2844
GI	2312736	Score	337
Exons	2585..2749, 2816..2844		
GI Descrip.	2213611 4.0e-27 (AC000103) F21J9.5 [Arabidopsis thaliana]		

Seq. No.	23332	Seq. ID	OJ990915_20.9C01.C13
Gene No.	48647	Strand	+
Start	1612	End	4129
Name	OJ990915_20.9C01.C13.o2.gp	Method	AAT/GAP
Start	2825	End	3762
GI	92875_1.R1084	Score	1066
Exons	2825..3087, 3313..3576, 3707..3762		
GI Descrip.	'2213611 9.0e-54 (AC000103) F21J9.5 [Arabidopsis thaliana]'		

Seq. No.	23332	Seq. ID	OJ990915_20.9C01.C13
Gene No.	48647	Strand	+
Start	1612	End	4129
Name	OJ990915_20.9C01.C13.o1.ts	Method	TBLASTX:Soybean
Start	2888	End	3579
GI	none	Score	126
Exons	2888..2983, 2896..2982, 2980..3048, 2981..3097, 2987..3061, 3309..3578, 3312..3578, 3313..3579		

Seq. No.	23332	Seq. ID	OJ990915_20.9C01.C13
Gene No.	48647	Strand	+

Start	1612	End	4129
Name	OJ990915_20.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	3728	End	4129
GI	none	Score	144
Exons	3728..3889, 3730..3888, 3845..4081, 3894..4067, 3895..4086, 3896..4084, 4103..4129		

Seq. No.	23332	Seq. ID	OJ990915_20.9C01.C13
Gene No.	48647	Strand	+
Start	1612	End	4129
Name	OJ990915_20.9C01.C13.o2.ts	Method	TBLASTX:Soybean
Start	3860	End	4054
GI	none	Score	186
Exons	3860..4054, 3865..4026		

Seq. No.	23333	Seq. ID	OJ990915_20.9C01.C14
Gene No.	48648	Strand	-
Start	1692	End	1892
Name	OJ990915_20.9C01.C14.o2.gs	Method	GENSCAN
Start	1692	End	1892
GI	none	Score	.48
Exons	1692..1892		

Seq. No.	23334	Seq. ID	OJ990915_20.9C01.C15
Gene No.	48649	Strand	+
Start	411	End	5747
Name	OJ990915_20.9C01.C15.o1.gs	Method	GENSCAN
Start	411	End	5747
GI	none	Score	.83
Exons	411..417, 654..911, 2514..2648, 2989..3231, 3639..3776, 4027..4154, 4316..4334, 4439..4620, 5169..5747		

Seq. No.	23335	Seq. ID	OJ990915_20.9C01.C16
Gene No.	48650	Strand	+
Start	390	End	1012
Name	OJ990915_20.9C01.C16.o1.gs	Method	GENSCAN
Start	390	End	1012
GI	none	Score	.55
Exons	390..495, 953..1012		

Seq. No.	23335	Seq. ID	OJ990915_20.9C01.C16
Gene No.	48651	Strand	-
Start	1596	End	4534
Name	OJ990915_20.9C01.C16.o1.np	Method	AAT/NAP
Start	1596	End	4534
GI	5295955	Score	873
Exons	1596..2229, 2309..2596, 2699..2821, 3498..3612, 4155..4222, 4433..4534		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	23335	Seq. ID	OJ990915_20.9C01.C16
Gene No.	48651	Strand	-
Start	1596	End	4534
Name	OJ990915_20.9C01.C16.o2.gs	Method	GENSCAN
Start	2361	End	4222
GI	none	Score	.69

Exons 2361..2800, 3489..3612, 4087..4222

Seq. No. 23336 Seq. ID OJ990915_20.9C01.C17
Gene No. 48652 Strand +
Start 1 End 2457
Name OJ990915_20.9C01.C17.o2.np Method AAT/NAP
Start 1 End 2003
GI 4680183 Score 173
Exons 1..72, 1237..1304, 1911..2003
GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No. 23336 Seq. ID OJ990915_20.9C01.C17
Gene No. 48652 Strand +
Start 1 End 2457
Name OJ990915_20.9C01.C17.o1.gs Method GENSCAN
Start 58 End 2457
GI none Score .43
Exons 58..745, 840..966, 1834..1959, 2368..2457

Seq. No. 23336 Seq. ID OJ990915_20.9C01.C17
Gene No. 48653 Strand -
Start 14 End 1034
Name OJ990915_20.9C01.C17.o1.np Method AAT/NAP
Start 14 End 1034
GI 6815109 Score 751
Exons 14..277, 312..1034
GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No. 23337 Seq. ID OJ990915_20.9C01.C18
Gene No. 48654 Strand +
Start 299 End 812
Name OJ990915_20.9C01.C18.o1.gs Method GENSCAN
Start 299 End 812
GI none Score .78
Exons 299..434, 742..812

Seq. No. 23337 Seq. ID OJ990915_20.9C01.C18
Gene No. 48655 Strand +
Start 1313 End 2652
Name OJ990915_20.9C01.C18.o2.np Method AAT/NAP
Start 1313 End 2652
GI 6721561 Score 130
Exons 1313..1403, 2628..2652
GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the
predicted gene.; hypothetical protein [Oryza sativa]
gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)
corresponds to a region of the predicted gene.; hypothetical
protein [Oryza sativa]

Seq. No. 23337 Seq. ID OJ990915_20.9C01.C18
Gene No. 48656 Strand -
Start 1441 End 1546
Name OJ990915_20.9C01.C18.o1.np Method AAT/NAP
Start 1191 End 1282
GI 4680183 Score 132
Exons 1191..1282
GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	23337	Seq. ID	OJ990915_20.9C01.C18
Gene No.	48656	Strand	-
Start	1441	End	1546
Name	OJ990915_20.9C01.C18.o2.gs	Method	GENSCAN
Start	1441	End	1546
GI	none	Score	.78
Exons	1441..1546		

Seq. No.	23338	Seq. ID	OJ990915_20.9C01.C19
Gene No.	48657	Strand	+
Start	207	End	644
Name	OJ990915_20.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	203	End	472
GI	none	Score	383
Exons	203..472, 218..472		

Seq. No.	23338	Seq. ID	OJ990915_20.9C01.C19
Gene No.	48657	Strand	+
Start	207	End	644
Name	OJ990915_20.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	206	End	415
GI	none	Score	264
Exons	206..415, 247..414		

Seq. No.	23338	Seq. ID	OJ990915_20.9C01.C19
Gene No.	48657	Strand	+
Start	207	End	644
Name	OJ990915_20.9C01.C19.o1.np	Method	AAT/NAP
Start	207	End	644
GI	2829895	Score	332
Exons	207..464, 553..644		
GI Descrip.	(AC002311) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23338	Seq. ID	OJ990915_20.9C01.C19
Gene No.	48657	Strand	+
Start	207	End	644
Name	OJ990915_20.9C01.C19.o1.gs	Method	GENSCAN
Start	270	End	469
GI	none	Score	.78
Exons	270..469		

Seq. No.	23338	Seq. ID	OJ990915_20.9C01.C19
Gene No.	48657	Strand	+
Start	207	End	644
Name	OJ990915_20.9C01.C19.o1.gp	Method	AAT/GAP
Start	443	End	644
GI	uC-osrocyp037h05b1	Score	365
Exons	443..644		
GI Descrip.	'2213611 4.0e-27 (AC000103) F21J9.5 [Arabidopsis thaliana]'		

Seq. No.	23339	Seq. ID	OJ990915_20.9C01.C20
Gene No.	48658	Strand	+
Start	1	End	1072
Name	OJ990915_20.9C01.C20.o1.gp	Method	AAT/GAP
Start	1	End	1072
GI	none	Score	831

Exons	1..138, 595..698, 873..1072		
Seq. No.	23339	Seq. ID	OJ990915_20.9C01.C20
Gene No.	48658	Strand	+
Start	1	End	1072
Name	OJ990915_20.9C01.C20.o1.gs	Method	GENSCAN
Start	64	End	1052
GI	none	Score	.52
Exons	64..138, 595..698, 873..1052		
Seq. No.	23339	Seq. ID	OJ990915_20.9C01.C20
Gene No.	48659	Strand	-
Start	1128	End	1481
Name	OJ990915_20.9C01.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	1076
GI	none	Score	153
Exons	1..138, 3..155, 4..93, 589..660, 594..659, 657..698, 657..698, 658..699, 872..1072, 874..1074, 939..1076		
Seq. No.	23339	Seq. ID	OJ990915_20.9C01.C20
Gene No.	48659	Strand	-
Start	1128	End	1481
Name	OJ990915_20.9C01.C20.o2.gp	Method	AAT/GAP
Start	1128	End	1481
GI	none	Score	693
Exons	1128..1481		
Seq. No.	23340	Seq. ID	OJ990915_20.9C01.C21
Gene No.	48660	Strand	-
Start	282	End	5782
Name	OJ990915_20.9C01.C21.o1.gs	Method	GENSCAN
Start	282	End	5782
GI	none	Score	.54
Exons	282..486, 541..1422, 1442..1579, 1936..1987, 2001..2157, 2239..2347, 2470..2779, 3165..3314, 4774..4976, 5777..5782		
Seq. No.	23340	Seq. ID	OJ990915_20.9C01.C21
Gene No.	48660	Strand	-
Start	282	End	5782
Name	OJ990915_20.9C01.C21.o1.tm	Method	TBLASTX:Maize
Start	325	End	619
GI	none	Score	180
Exons	325..486, 335..487, 335..487, 340..489, 574..618, 575..619		
Seq. No.	23340	Seq. ID	OJ990915_20.9C01.C21
Gene No.	48660	Strand	-
Start	282	End	5782
Name	OJ990915_20.9C01.C21.o1.ts	Method	TBLASTX:Soybean
Start	589	End	810
GI	none	Score	119
Exons	589..810, 593..760		
Seq. No.	23341	Seq. ID	OJ990915_20.9C01.C22
Gene No.	48661	Strand	-
Start	820	End	984
Name	OJ990915_20.9C01.C22.o1.gs	Method	GENSCAN
Start	820	End	984

GI none Score .93
Exons 820..984

Seq. No.	23342	Seq. ID	OJ990915_20.9C01.C24
Gene No.	48662	Strand	-
Start	302	End	662
Name	OJ990915_20.9C01.C24.o1.gs	Method	GENSCAN
Start	302	End	662
GI	none	Score	.81
Exons	302..465, 505..662		

Seq. No.	23343	Seq. ID	OJ990915_20.9C01.C25
Gene No.	48663	Strand	+
Start	246	End	665
Name	OJ990915_20.9C01.C25.o1.gs	Method	GENSCAN
Start	246	End	665
GI	none	Score	.45
Exons	246..665		

Seq. No.	23344	Seq. ID	OJ990915_20.9C01.C27
Gene No.	48664	Strand	-
Start	77	End	9469
Name	OJ990915_20.9C01.C27.o1.gs	Method	GENSCAN
Start	77	End	9469
GI	none	Score	.49
Exons	77..263, 565..699, 1076..1131, 1961..2134, 2376..2597, 4466..4547, 6147..6272, 6441..6535, 6654..6702, 6905..7015, 7113..7310, 8418..8551, 8829..9165, 9378..9469		

Seq. No.	23344	Seq. ID	OJ990915_20.9C01.C27
Gene No.	48664	Strand	-
Start	77	End	9469
Name	OJ990915_20.9C01.C27.o1.ts	Method	TBLASTX:Soybean
Start	80	End	6277
GI	none	Score	66
Exons	80..211, 603..701, 631..708, 5896..6024, 5933..6025, 5933..6028, 6146..6277, 6146..6274		

Seq. No.	23344	Seq. ID	OJ990915_20.9C01.C27
Gene No.	48664	Strand	-
Start	77	End	9469
Name	OJ990915_20.9C01.C27.o1.tw	Method	TBLASTX:Wheat
Start	89	End	6731
GI	none	Score	64
Exons	89..196, 89..205, 567..701, 631..702, 1072..1161, 1076..1147, 1484..1561, 1486..1560, 1488..1562, 5908..6033, 5914..5991, 5924..6034, 6146..6274, 6147..6275, 6438..6509, 6440..6541, 6441..6518, 6652..6726, 6654..6731		

Seq. No.	23344	Seq. ID	OJ990915_20.9C01.C27
Gene No.	48664	Strand	-
Start	77	End	9469
Name	OJ990915_20.9C01.C27.o1.tm	Method	TBLASTX:Maize
Start	95	End	6278
GI	none	Score	77
Exons	95..214, 603..704, 631..702, 5893..6039, 5903..6040, 6052..6084, 6143..6277, 6144..6278		

Seq. No.	23344	Seq. ID	OJ990915_20.9C01.C27
Gene No.	48664	Strand	-
Start	77	End	9469
Name	OJ990915_20.9C01.C27.o2.tm	Method	TBLASTX:Maize
Start	1072	End	6981
GI	none	Score	66
Exons	1072..1185, 1075..1143, 1453..1566, 1487..1570, 1954..2046, 1957..2046, 6391..6546, 6421..6543, 6438..6548, 6440..6550, 6441..6548, 6654..6767, 6655..6738, 6909..6980, 6910..6981		

Seq. No.	23344	Seq. ID	OJ990915_20.9C01.C27
Gene No.	48664	Strand	-
Start	77	End	9469
Name	OJ990915_20.9C01.C27.o1.np	Method	AAT/NAP
Start	5883	End	7028
GI	6453907	Score	321
Exons	5883..6037, 6147..6272, 6441..6516, 6635..6739, 6905..7028		
GI Descrip.	(AC011663) unknown protein [Arabidopsis thaliana]		

Seq. No.	23345	Seq. ID	OJ990915_20.9C01.C28
Gene No.	48665	Strand	+
Start	6012	End	6905
Name	OJ990915_20.9C01.C28.o2.gs	Method	GENSCAN
Start	6012	End	6905
GI	none	Score	.75
Exons	6012..6120, 6459..6564, 6764..6905		

Seq. No.	23345	Seq. ID	OJ990915_20.9C01.C28
Gene No.	48666	Strand	-
Start	1362	End	2779
Name	OJ990915_20.9C01.C28.o1.gp	Method	AAT/GAP
Start	1346	End	2734
GI	15025_1.R1084	Score	2447
Exons	1346..2142, 2278..2734		
GI Descrip.	'4220481 7.0e-36 (AC006069) unknown protein [Arabidopsis thaliana]'		

Seq. No.	23345	Seq. ID	OJ990915_20.9C01.C28
Gene No.	48666	Strand	-
Start	1362	End	2779
Name	OJ990915_20.9C01.C28.o1.gs	Method	GENSCAN
Start	1362	End	2652
GI	none	Score	.69
Exons	1362..1478, 1755..2183, 2278..2652		

Seq. No.	23345	Seq. ID	OJ990915_20.9C01.C28
Gene No.	48666	Strand	-
Start	1362	End	2779
Name	OJ990915_20.9C01.C28.o1.np	Method	AAT/NAP
Start	1784	End	2779
GI	6714298	Score	349
Exons	1784..1810, 2062..2135, 2271..2779		
GI Descrip.	(AC013354) F15H18.18 [Arabidopsis thaliana]		

Seq. No.	23345	Seq. ID	OJ990915_20.9C01.C28
Gene No.	48667	Strand	-

Start	7344	End	8269
Name	OJ990915_20.9C01.C28.o1.tm	Method	TBLASTX:Maize
Start	2032	End	2653
GI	none	Score	125
Exons	2032..2142, 2033..2143, 2273..2395, 2276..2395, 2368..2604, 2398..2514, 2492..2605, 2571..2651, 2582..2653		

Seq. No.	23345	Seq. ID	OJ990915_20.9C01.C28
Gene No.	48667	Strand	-
Start	7344	End	8269
Name	OJ990915_20.9C01.C28.o1.tc	Method	TBLASTX:Cress
Start	2276	End	2671
GI	none	Score	50
Exons	2276..2404, 2302..2538, 2516..2554, 2527..2670, 2531..2671		

Seq. No.	23345	Seq. ID	OJ990915_20.9C01.C28
Gene No.	48667	Strand	-
Start	7344	End	8269
Name	OJ990915_20.9C01.C28.o1.ts	Method	TBLASTX:Soybean
Start	2302	End	2662
GI	none	Score	64
Exons	2302..2559, 2492..2548, 2557..2652, 2570..2662		

Seq. No.	23345	Seq. ID	OJ990915_20.9C01.C28
Gene No.	48667	Strand	-
Start	7344	End	8269
Name	OJ990915_20.9C01.C28.o1.tw	Method	TBLASTX:Wheat
Start	2357	End	2655
GI	none	Score	35
Exons	2357..2398, 2359..2550, 2461..2514, 2492..2551, 2534..2605, 2545..2604, 2563..2607, 2580..2654, 2582..2653, 2635..2655		

Seq. No.	23345	Seq. ID	OJ990915_20.9C01.C28
Gene No.	48667	Strand	-
Start	7344	End	8269
Name	OJ990915_20.9C01.C28.o3.gs	Method	GENSCAN
Start	7344	End	8269
GI	none	Score	.54
Exons	7344..7950, 8247..8269		

Seq. No.	23346	Seq. ID	OJ990915_20.9C01.C29
Gene No.	48668	Strand	+
Start	1	End	702
Name	OJ990915_20.9C01.C29.o1.np	Method	AAT/NAP
Start	1	End	702
GI	2213611	Score	328
Exons	1..284, 415..702		
GI Descrip.	(AC000103) F21J9.5 [Arabidopsis thaliana]		

Seq. No.	23346	Seq. ID	OJ990915_20.9C01.C29
Gene No.	48668	Strand	+
Start	1	End	702
Name	OJ990915_20.9C01.C29.o1.tm	Method	TBLASTX:Maize
Start	450	End	701
GI	none	Score	149
Exons	450..608, 458..607, 614..694, 617..694, 618..701		

Seq. No.	23346	Seq. ID	OJ990915_20.9C01.C29
Gene No.	48668	Strand	+
Start	1	End	702
Name	OJ990915_20.9C01.C29.o1.gs	Method	GENSCAN
Start	471	End	671
GI	none	Score	.85
Exons	471..671		

Seq. No.	23347	Seq. ID	OJ990615_11.9C30.C1
Gene No.	48669	Strand	-
Start	1	End	558
Name	OJ990615_11.9C30.C1.o1.np	Method	AAT/NAP
Start	1	End	558
GI	3367750	Score	199
Exons	1..439, 538..558		
GI Descrip.	(AL031155) putative amidase [Streptomyces coelicolor]		

Seq. No.	23347	Seq. ID	OJ990615_11.9C30.C1
Gene No.	48669	Strand	-
Start	1	End	558
Name	OJ990615_11.9C30.C1.o1.gp	Method	AAT/GAP
Start	53	End	368
GI	568802	Score	598
Exons	53..368		
GI Descrip.	3367750/emb CAA20075 1.0e-11 (AL031155) putative amidase [Streptomyces coelicolor]		

Seq. No.	23347	Seq. ID	OJ990615_11.9C30.C1
Gene No.	48669	Strand	-
Start	1	End	558
Name	OJ990615_11.9C30.C1.o1.gs	Method	GENSCAN
Start	119	End	486
GI	none	Score	.74
Exons	119..193, 225..269, 284..486		

Seq. No.	23347	Seq. ID	OJ990615_11.9C30.C1
Gene No.	48669	Strand	-
Start	1	End	558
Name	OJ990615_11.9C30.C1.o1.ts	Method	TBLASTX:Soybean
Start	213	End	440
GI	none	Score	175
Exons	213..338, 224..358, 225..440		

Seq. No.	23348	Seq. ID	OJ990615_11.9C30.C3
Gene No.	48670	Strand	-
Start	620	End	1096
Name	OJ990615_11.9C30.C3.o1.gs	Method	GENSCAN
Start	620	End	1096
GI	none	Score	.91
Exons	620..893, 942..1096		

Seq. No.	23349	Seq. ID	OJ990615_11.9C30.C7
Gene No.	48671	Strand	-
Start	1	End	436
Name	OJ990615_11.9C30.C7.o1.gp	Method	AAT/GAP
Start	1	End	436
GI	4879016	Score	605

Exons 1, 436
 GI Descrip. 6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For
 Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,
 complete sequence

Seq. No.	23350	Seq. ID	OJ990615_11.9C30.C8
Gene No.	48672	Strand	+
Start	502	End	567
Name	OJ990615_11.9C30.C8.o1.gs	Method	GENSCAN
Start	502	End	567
GI	none	Score	.43
Exons	502..567		

Seq. No.	23351	Seq. ID	OJ990615_11.9C30.C11
Gene No.	48673	Strand	+
Start	1	End	1499
Name	OJ990615_11.9C30.C11.o1.np	Method	AAT/NAP
Start	1	End	1499
GI	5123705	Score	135
Exons	1..78, 1002..1211, 1457..1499		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		

Seq. No.	23351	Seq. ID	OJ990615_11.9C30.C11
Gene No.	48673	Strand	+
Start	1	End	1499
Name	OJ990615_11.9C30.C11.o1.ts	Method	TBLASTX:Soybean
Start	1043	End	1219
GI	none	Score	216
Exons	1043..1219, 1047..1208		

Seq. No.	23351	Seq. ID	OJ990615_11.9C30.C11
Gene No.	48673	Strand	+
Start	1	End	1499
Name	OJ990615_11.9C30.C11.o1.gs	Method	GENSCAN
Start	1046	End	1285
GI	none	Score	.77
Exons	1046..1285		

Seq. No.	23352	Seq. ID	OJ990615_11.9C30.C14
Gene No.	48674	Strand	+
Start	1	End	2277
Name	OJ990615_11.9C30.C14.o1.np	Method	AAT/NAP
Start	1	End	2274
GI	5123705	Score	669
Exons	1..45, 273..366, 507..670, 1352..1602, 1921..2274		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		

Seq. No.	23352	Seq. ID	OJ990615_11.9C30.C14
Gene No.	48674	Strand	+
Start	1	End	2277
Name	OJ990615_11.9C30.C14.o1.ts	Method	TBLASTX:Soybean
Start	145	End	651
GI	none	Score	213
Exons	145..366, 173..367, 507..560, 508..576, 568..651, 597..650		

Seq. No.	23352	Seq. ID	OJ990615_11.9C30.C14
Gene No.	48674	Strand	+

Start	1	End	2277
Name	OJ990615_11.9C30.C14.o1.gs	Method	GENSCAN
Start	146	End	2277
GI	none	Score	.77
Exons	146..366, 507..749, 1401..1602, 1921..2277		

Seq. No.	23352	Seq. ID	OJ990615_11.9C30.C14
Gene No.	48674	Strand	+
Start	1	End	2277
Name	OJ990615_11.9C30.C14.o1.gp	Method	AAT/GAP
Start	583	End	2039
GI	uC-osrocyp032b01b1	Score	920
Exons	583..749, 1401..1602, 1921..2039		
GI Descrip.	'3367750/emb CAA20075 1.0e-11 (AL031155) putative amidase [Streptomyces coelicolor]'		

Seq. No.	23352	Seq. ID	OJ990615_11.9C30.C14
Gene No.	48674	Strand	+
Start	1	End	2277
Name	OJ990615_11.9C30.C14.o2.ts	Method	TBLASTX:Soybean
Start	2034	End	2271
GI	none	Score	97
Exons	2034..2150, 2038..2151, 2157..2243, 2158..2271		

Seq. No.	23353	Seq. ID	OJ990615_11.9C30.C15
Gene No.	48675	Strand	+
Start	171	End	342
Name	OJ990615_11.9C30.C15.o1.gs	Method	GENSCAN
Start	171	End	342
GI	none	Score	.62
Exons	171..342		

Seq. No.	23353	Seq. ID	OJ990615_11.9C30.C15
Gene No.	48675	Strand	+
Start	171	End	342
Name	OJ990615_11.9C30.C15.o1.gp	Method	AAT/GAP
Start	186	End	267
GI	43739_1.R1084	Score	111
Exons	186..267		
GI Descrip.	'169819/gb M16845 RICRGSBHA 0.0e+00 Rice gene encoding three ribosomal RNA's: the 17S, 3'' end; 5.8S, complete; 25S, 5'' end'		

Seq. No.	23354	Seq. ID	OJ990615_11.9C30.C16
Gene No.	48676	Strand	-
Start	2267	End	10586
Name	OJ990615_11.9C30.C16.o1.np	Method	AAT/NAP
Start	2267	End	10586
GI	4680183	Score	203
Exons	2267..2356, 2908..2978, 10499..10586		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	23354	Seq. ID	OJ990615_11.9C30.C16
Gene No.	48676	Strand	-
Start	2267	End	10586
Name	OJ990615_11.9C30.C16.o2.np	Method	AAT/NAP
Start	4689	End	8099

GI 5852181 Score 43
 Exons 4689..4784, 8018..8099
 GI Descrip. (AL117265) zhb0011.1 [Oryza sativa]

Seq. No.	23355	Seq. ID	OJ990615_11.9C30.C18
Gene No.	48677	Strand	-
Start	133	End	609
Name	OJ990615_11.9C30.C18.ol.gs	Method	GENSCAN
Start	133	End	609
GI	none	Score	.71
Exons	133..461, 522..609		

Seq. No.	23356	Seq. ID	OJ990615_11.9C30.C19
Gene No.	48678	Strand	-
Start	1	End	1337
Name	OJ990615_11.9C30.C19.ol.np	Method	AAT/NAP
Start	1	End	1337
GI	4680179	Score	295
Exons	1..86, 287..578, 1307..1337		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23356	Seq. ID	OJ990615_11.9C30.C19
Gene No.	48678	Strand	-
Start	1	End	1337
Name	OJ990615_11.9C30.C19.ol.gs	Method	GENSCAN
Start	236	End	490
GI	none	Score	.73
Exons	236..490		

Seq. No.	23356	Seq. ID	OJ990615_11.9C30.C19
Gene No.	48678	Strand	-
Start	1	End	1337
Name	OJ990615_11.9C30.C19.ol.tw	Method	TBLASTX:Wheat
Start	282	End	539
GI	none	Score	120
Exons	282..461, 287..451, 455..538, 501..539		

Seq. No.	23356	Seq. ID	OJ990615_11.9C30.C19
Gene No.	48678	Strand	-
Start	1	End	1337
Name	OJ990615_11.9C30.C19.ol.tm	Method	TBLASTX:Maize
Start	284	End	565
GI	none	Score	205
Exons	284..565		

Seq. No.	23357	Seq. ID	OJ990615_11.9C30.C20
Gene No.	48679	Strand	-
Start	148	End	605
Name	OJ990615_11.9C30.C20.ol.np	Method	AAT/NAP
Start	148	End	605
GI	5295955	Score	174
Exons	148..605		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	23358	Seq. ID	OJ990615_11.9C30.C21
Gene No.	48680	Strand	+

Start	1	End	6123
Name	OJ990615_11.9C30.C21.o1.np	Method	AAT/NAP
Start	1	End	6123
GI	6063554	Score	206
Exons	1..69, 2081..2182, 4531..4763, 4848..4890, 5948..6123		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23358	Seq. ID	OJ990615_11.9C30.C21
Gene No.	48680	Strand	+
Start	1	End	6123
Name	OJ990615_11.9C30.C21.o1.gs	Method	GENSCAN
Start	120	End	5047
GI	none	Score	.69
Exons	120..138, 1354..1530, 1915..1951, 2357..2484, 2577..2820, 4133..4182, 4467..5047		

Seq. No.	23358	Seq. ID	OJ990615_11.9C30.C21
Gene No.	48681	Strand	-
Start	6972	End	7560
Name	OJ990615_11.9C30.C21.o2.np	Method	AAT/NAP
Start	6972	End	7560
GI	4680183	Score	136
Exons	6972..7084, 7466..7560		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	23359	Seq. ID	OJ990615_11.9C30.C22
Gene No.	48682	Strand	-
Start	1	End	859
Name	OJ990615_11.9C30.C22.o1.np	Method	AAT/NAP
Start	1	End	859
GI	5295955	Score	82
Exons	1..32, 576..679, 780..859		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	23359	Seq. ID	OJ990615_11.9C30.C22
Gene No.	48682	Strand	-
Start	1	End	859
Name	OJ990615_11.9C30.C22.o1.gs	Method	GENSCAN
Start	144	End	644
GI	none	Score	.66
Exons	144..232, 576..644		

Seq. No.	23360	Seq. ID	OJ990615_11.9C30.C23
Gene No.	48683	Strand	-
Start	925	End	2406
Name	OJ990615_11.9C30.C23.o1.np	Method	AAT/NAP
Start	925	End	2406
GI	4680186	Score	136
Exons	925..1108, 2332..2406		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23361	Seq. ID	OJ990615_11.9C30.C24
Gene No.	48684	Strand	+
Start	402	End	1429

Name	OJ990615_11.9C30.C24.o1.gs	Method	GENSCAN
Start	402	End	1429
GI	none	Score	.69
Exons	402..522, 1345..1429		
Seq. No.	23362	Seq. ID	OJ990615_11.9C30.C25
Gene No.	48685	Strand	-
Start	1	End	3674
Name	OJ990615_11.9C30.C25.o1.np	Method	AAT/NAP
Start	1	End	3674
GI	6815052	Score	1558
Exons	1..67, 352..432, 514..1211, 1260..1395, 2178..2270, 3155..3254, 3552..3674		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	23362	Seq. ID	OJ990615_11.9C30.C25
Gene No.	48685	Strand	-
Start	1	End	3674
Name	OJ990615_11.9C30.C25.o1.gs	Method	GENSCAN
Start	357	End	2058
GI	none	Score	.88
Exons	357..2058		
Seq. No.	23362	Seq. ID	OJ990615_11.9C30.C25
Gene No.	48685	Strand	-
Start	1	End	3674
Name	OJ990615_11.9C30.C25.o1.tw	Method	TBLASTX:Wheat
Start	1450	End	1944
GI	none	Score	88
Exons	1450..1920, 1450..1944		
Seq. No.	23362	Seq. ID	OJ990615_11.9C30.C25
Gene No.	48685	Strand	-
Start	1	End	3674
Name	OJ990615_11.9C30.C25.o2.gs	Method	GENSCAN
Start	2801	End	3669
GI	none	Score	.46
Exons	2801..2892, 3453..3547, 3591..3669		
Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48686	Strand	+
Start	1899	End	2585
Name	OJ990615_11.9C30.C26.o2.gs	Method	GENSCAN
Start	1899	End	2585
GI	none	Score	.74
Exons	1899..2042, 2463..2585		
Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48687	Strand	-
Start	1	End	1660
Name	OJ990615_11.9C30.C26.o1.np	Method	AAT/NAP
Start	1	End	178
GI	6815052	Score	174
Exons	1..178		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26

Gene No.	48687	Strand	-
Start	1	End	1660
Name	OJ990615_11.9C30.C26.o1.gs	Method	GENSCAN
Start	26	End	1178
GI	none	Score	.58
Exons	26..191, 356..617, 659..1178		

Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48687	Strand	-
Start	1	End	1660
Name	OJ990615_11.9C30.C26.o1.gp	Method	AAT/GAP
Start	128	End	499
GI	568802	Score	709
Exons	128..499		
GI Descrip.	3367750/emb CAA20075 1.0e-11 (AL031155) putative amidase [Streptomyces coelicolor]		

Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48687	Strand	-
Start	1	End	1660
Name	OJ990615_11.9C30.C26.o2.np	Method	AAT/NAP
Start	352	End	1660
GI	6224592	Score	471
Exons	352..570, 669..1126, 1495..1660		
GI Descrip.	(AL132779) putative amidase [Schizosaccharomyces pombe]		

Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48688	Strand	-
Start	3174	End	3863
Name	OJ990615_11.9C30.C26.o3.gs	Method	GENSCAN
Start	3174	End	3863
GI	none	Score	.71
Exons	3174..3262, 3725..3863		

Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48689	Strand	-
Start	5364	End	8309
Name	OJ990615_11.9C30.C26.o4.gs	Method	GENSCAN
Start	5364	End	8309
GI	none	Score	.65
Exons	5364..5474, 6042..6086, 6189..6359, 8244..8309		

Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48690	Strand	-
Start	8874	End	11877
Name	OJ990615_11.9C30.C26.o2.ts	Method	TBLASTX:Soybean
Start	355	End	11807
GI	none	Score	175
Exons	355..489, 356..571, 11616..11807, 11624..11806		

Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48690	Strand	-
Start	8874	End	11877
Name	OJ990615_11.9C30.C26.o5.gs	Method	GENSCAN
Start	8874	End	11836
GI	none	Score	.6
Exons	8874..9230, 9450..9651, 10216..10458, 11616..11836		

Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48690	Strand	-
Start	8874	End	11877
Name	OJ990615_11.9C30.C26.o3.np	Method	AAT/NAP
Start	8877	End	11877
GI	5123705	Score	633
Exons	8877..9230, 9450..9651, 10246..10458, 11616..11709, 11858..11877		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		

Seq. No.	23363	Seq. ID	OJ990615_11.9C30.C26
Gene No.	48690	Strand	-
Start	8874	End	11877
Name	OJ990615_11.9C30.C26.o1.ts	Method	TBLASTX:Soybean
Start	10296	End	10461
GI	none	Score	104
Exons	10296..10457, 10305..10457, 10333..10461		

Seq. No.	23364	Seq. ID	OJ990615_11.9C30.C27
Gene No.	48691	Strand	-
Start	1	End	426
Name	OJ990615_11.9C30.C27.o1.np	Method	AAT/NAP
Start	1	End	388
GI	5123705	Score	249
Exons	1..388		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		

Seq. No.	23364	Seq. ID	OJ990615_11.9C30.C27
Gene No.	48691	Strand	-
Start	1	End	426
Name	OJ990615_11.9C30.C27.o1.gs	Method	GENSCAN
Start	56	End	340
GI	none	Score	.48
Exons	56..340		

Seq. No.	23364	Seq. ID	OJ990615_11.9C30.C27
Gene No.	48691	Strand	-
Start	1	End	426
Name	OJ990615_11.9C30.C27.o1.gp	Method	AAT/GAP
Start	131	End	426
GI	571751	Score	568
Exons	131..426		

Seq. No.	23364	Seq. ID	OJ990615_11.9C30.C27
Gene No.	48692	Strand	-
Start	955	End	1220
Name	OJ990615_11.9C30.C27.o1.ts	Method	TBLASTX:Soybean
Start	35	End	284
GI	none	Score	71
Exons	35..73, 89..280, 135..284		

Seq. No.	23364	Seq. ID	OJ990615_11.9C30.C27
Gene No.	48692	Strand	-
Start	955	End	1220
Name	OJ990615_11.9C30.C27.o2.gs	Method	GENSCAN
Start	955	End	1220
GI	none	Score	.56

Exons 955..1182, 1191..1220

Seq. No.	23365	Seq. ID	OJ990615_11.9C30.C28
Gene No.	48693	Strand	+
Start	372	End	560
Name	OJ990615_11.9C30.C28.o1.gs	Method	GENSCAN
Start	372	End	560
GI	none	Score	.68
Exons	372..560		

Seq. No.	23366	Seq. ID	OJ990615_11.9C30.C29
Gene No.	48694	Strand	-
Start	1	End	660
Name	OJ990615_11.9C30.C29.o1.np	Method	AAT/NAP
Start	1	End	660
GI	5441880	Score	126
Exons	1..196, 504..660		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23367	Seq. ID	OJ990615_11.9C30.C30
Gene No.	48695	Strand	+
Start	1191	End	3223
Name	OJ990615_11.9C30.C30.o2.np	Method	AAT/NAP
Start	1191	End	3223
GI	5295955	Score	155
Exons	1191..1220, 2983..3098, 3202..3223		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	23367	Seq. ID	OJ990615_11.9C30.C30
Gene No.	48696	Strand	-
Start	1	End	2499
Name	OJ990615_11.9C30.C30.o1.np	Method	AAT/NAP
Start	1	End	2499
GI	5441880	Score	1060
Exons	1..175, 748..1076, 1212..1359, 1862..2185, 2444..2499		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	23367	Seq. ID	OJ990615_11.9C30.C30
Gene No.	48696	Strand	-
Start	1	End	2499
Name	OJ990615_11.9C30.C30.o1.tw	Method	TBLASTX:Wheat
Start	841	End	1023
GI	none	Score	98
Exons	841..960, 842..961, 959..1006, 970..1023		

Seq. No.	23368	Seq. ID	OJ990615_11.9C30.C32
Gene No.	48697	Strand	+
Start	118	End	386
Name	OJ990615_11.9C30.C32.o1.gs	Method	GENSCAN
Start	118	End	386
GI	none	Score	.84
Exons	118..179, 252..386		

Seq. No.	23369	Seq. ID	OJ990615_11.9C30.C36
Gene No.	48698	Strand	+
Start	304	End	535
Name	OJ990615_11.9C30.C36.o1.gs	Method	GENSCAN
Start	304	End	535
GI	none	Score	.96
Exons	304..535		

Seq. No.	23370	Seq. ID	OJ990615_11.9C30.C40
Gene No.	48699	Strand	+
Start	1	End	432
Name	OJ990615_11.9C30.C40.o1.np	Method	AAT/NAP
Start	1	End	432
GI	6705984	Score	204
Exons	1..432		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	23370	Seq. ID	OJ990615_11.9C30.C40
Gene No.	48699	Strand	+
Start	1	End	432
Name	OJ990615_11.9C30.C40.o1.tw	Method	TBLASTX:Wheat
Start	20	End	340
GI	none	Score	217
Exons	20..340, 82..258		

Seq. No.	23371	Seq. ID	OJ990615_11.9C30.C41
Gene No.	48700	Strand	-
Start	1	End	735
Name	OJ990615_11.9C30.C41.o1.np	Method	AAT/NAP
Start	1	End	735
GI	6523547	Score	177
Exons	1..501, 614..735		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	23371	Seq. ID	OJ990615_11.9C30.C41
Gene No.	48700	Strand	-
Start	1	End	735
Name	OJ990615_11.9C30.C41.o1.gs	Method	GENSCAN
Start	98	End	621
GI	none	Score	.62
Exons	98..621		

Seq. No.	23372	Seq. ID	OJ990615_11.9C30.C42
Gene No.	48701	Strand	-
Start	102	End	305
Name	OJ990615_11.9C30.C42.o1.gs	Method	GENSCAN
Start	102	End	305
GI	none	Score	.85
Exons	102..305		

Seq. No.	23373	Seq. ID	OJ990615_11.9C30.C43
Gene No.	48702	Strand	-
Start	97	End	102
Name	OJ990615_11.9C30.C43.o1.gs	Method	GENSCAN
Start	97	End	102

GI	none	Score	.4
Exons	97..102		
Seq. No.	23374	Seq. ID	OJ990615_11.9C30.C48
Gene No.	48703	Strand	+
Start	215	End	355
Name	OJ990615_11.9C30.C48.o1.gs	Method	GENSCAN
Start	215	End	355
GI	none	Score	.83
Exons	215..355		
Seq. No.	23375	Seq. ID	OJ990615_11.9C30.C49
Gene No.	48704	Strand	-
Start	1	End	979
Name	OJ990615_11.9C30.C49.o1.np	Method	AAT/NAP
Start	1	End	979
GI	6721512	Score	67
Exons	1..101, 770..979		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23375	Seq. ID	OJ990615_11.9C30.C49
Gene No.	48704	Strand	-
Start	1	End	979
Name	OJ990615_11.9C30.C49.o1.gs	Method	GENSCAN
Start	265	End	861
GI	none	Score	.81
Exons	265..431, 770..861		
Seq. No.	23376	Seq. ID	OJ990615_11.9C30.C50
Gene No.	48705	Strand	+
Start	205	End	942
Name	OJ990615_11.9C30.C50.o1.gs	Method	GENSCAN
Start	205	End	942
GI	none	Score	.84
Exons	205..284, 852..942		
Seq. No.	23377	Seq. ID	OJ990615_11.9C30.C52
Gene No.	48706	Strand	+
Start	527	End	836
Name	OJ990615_11.9C30.C52.o1.gp	Method	AAT/GAP
Start	527	End	836
GI	3759000	Score	452
Exons	527..836		
Seq. No.	23378	Seq. ID	OJ990615_11.9C30.C54
Gene No.	48707	Strand	+
Start	581	End	1022
Name	OJ990615_11.9C30.C54.o1.np	Method	AAT/NAP
Start	581	End	1022
GI	6721512	Score	55
Exons	581..728, 948..1022		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23378	Seq. ID	OJ990615_11.9C30.C54
Gene No.	48707	Strand	+
Start	581	End	1022
Name	OJ990615_11.9C30.C54.o1.gs	Method	GENSCAN

Start 636
GI none
Exons 636..758

End 758
Score .63

Seq. No. 23379
Gene No. 48708
Start 105
Name OJ990615_11.9C30.C57.o1.gs
Start 105
GI none
Exons 105..184

Seq. ID OJ990615_11.9C30.C57
Strand -
End 184
Method GENSCAN
End 184
Score .88

Seq. No. 23380
Gene No. 48709
Start 385
Name OJ990615_11.9C30.C58.o1.gs
Start 385
GI none
Exons 385..654

Seq. ID OJ990615_11.9C30.C58
Strand +
End 654
Method GENSCAN
End 654
Score .83

Seq. No. 23381
Gene No. 48710
Start 448
Name OJ990615_11.9C30.C59.o1.gs
Start 448
GI none
Exons 448..524

Seq. ID OJ990615_11.9C30.C59
Strand +
End 524
Method GENSCAN
End 524
Score .98

Seq. No. 23382
Gene No. 48711
Start 19
Name OJ990615_11.9C30.C61.o1.gs
Start 19
GI none
Exons 19..201

Seq. ID OJ990615_11.9C30.C61
Strand -
End 201
Method GENSCAN
End 201
Score .99

Seq. No. 23383
Gene No. 48712
Start 1
Name OJ990615_11.9C30.C67.o1.np
Start 1
GI 5295955
Exons 1..646

Seq. ID OJ990615_11.9C30.C67
Strand +
End 1243
Method AAT/NAP
End 646
Score 421

GI Descrip. (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555)
[Oryza sativa]

Seq. No. 23383
Gene No. 48712
Start 1
Name OJ990615_11.9C30.C67.o1.gs
Start 9
GI none
Exons 9..167, 877..964, 1047..1243

Seq. ID OJ990615_11.9C30.C67
Strand +
End 1243
Method GENSCAN
End 1243
Score .71

Seq. No. 23383
Gene No. 48713
Start 923

Seq. ID OJ990615_11.9C30.C67
Strand -
End 1272

Name	OJ990615_11.9C30.C67.o2.np	Method	AAT/NAP
Start	923	End	1272
GI	4680179	Score	533
Exons	923..1272		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23383	Seq. ID	OJ990615_11.9C30.C67
Gene No.	48713	Strand	-
Start	923	End	1272
Name	OJ990615_11.9C30.C67.o1.tw	Method	TBLASTX:Wheat
Start	968	End	1270
GI	none	Score	313
Exons	968..1270		

Seq. No.	23383	Seq. ID	OJ990615_11.9C30.C67
Gene No.	48713	Strand	-
Start	923	End	1272
Name	OJ990615_11.9C30.C67.o1.tm	Method	TBLASTX:Maize
Start	980	End	1254
GI	none	Score	39
Exons	980..1252, 988..1050, 1161..1208, 1162..1254		

Seq. No.	23384	Seq. ID	OJ990615_11.9C30.C68
Gene No.	48714	Strand	-
Start	1	End	4396
Name	OJ990615_11.9C30.C68.o1.np	Method	AAT/NAP
Start	1	End	4396
GI	4680179	Score	6248
Exons	1..4396		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23384	Seq. ID	OJ990615_11.9C30.C68
Gene No.	48714	Strand	-
Start	1	End	4396
Name	OJ990615_11.9C30.C68.o1.tm	Method	TBLASTX:Maize
Start	59	End	646
GI	none	Score	123
Exons	59..325, 60..320, 389..487, 390..485, 419..487, 485..646, 492..638		

Seq. No.	23384	Seq. ID	OJ990615_11.9C30.C68
Gene No.	48714	Strand	-
Start	1	End	4396
Name	OJ990615_11.9C30.C68.o8.tw	Method	TBLASTX:Wheat
Start	67	End	200
GI	none	Score	52
Exons	67..195, 73..195, 74..199, 75..200		

Seq. No.	23384	Seq. ID	OJ990615_11.9C30.C68
Gene No.	48714	Strand	-
Start	1	End	4396
Name	OJ990615_11.9C30.C68.o1.tw	Method	TBLASTX:Wheat
Start	200	End	826
GI	none	Score	350
Exons	200..826, 201..770		

Seq. No.	23384	Seq. ID	OJ990615_11.9C30.C68
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Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o3.tm
 Start 695
 GI none
 Exons 695..985, 699..884, 796..987

Strand -
 End 4396
 Method TBLASTX:Maize
 End 987
 Score 161

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o2.ts
 Start 785
 GI none
 Exons 785..853, 785..1045, 939..1040

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Soybean
 End 1045
 Score 54

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o1.tc
 Start 809
 GI none
 Exons 809..952, 810..887, 953..1135

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Cress
 End 1135
 Score 64

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o3.tw
 Start 833
 GI none
 Exons 833..1312, 834..1217, 866..1294

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Wheat
 End 1312
 Score 222

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o2.tw
 Start 1316
 GI none
 Exons 1316..1825, 1407..1793

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Wheat
 End 1825
 Score 302

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o2.tm
 Start 1400
 GI none
 Exons 1400..1753, 1415..1711, 1485..1751

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Maize
 End 1753
 Score 158

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o3.ts
 Start 1574
 GI none
 Exons 1574..1816

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Soybean
 End 1816
 Score 197

Seq. No. 23384
 Gene No. 48714

Seq. ID OJ990615_11.9C30.C68
 Strand -

Start 1
 Name OJ990615_11.9C30.C68.o5.tm
 Start 1754
 GI none
 Exons 1754..2107, 1761..2096

End 4396
 Method TBLASTX:Maize
 End 2107
 Score 141

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o5.tw
 Start 1826
 GI none
 Exons 1826..2128, 1827..2090

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Wheat
 End 2128
 Score 201

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o1.ts
 Start 1841
 GI none
 Exons 1841..2200, 1842..2084, 2059..2193, 2123..2197, 2204..2236, 2204..2236

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Soybean
 End 2236
 Score 126

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o4.tm
 Start 2123
 GI none
 Exons 2123..2590, 2156..2503, 2349..2579

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Maize
 End 2590
 Score 99

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o4.tw
 Start 2177
 GI none
 Exons 2177..2659, 2220..2663

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Wheat
 End 2663
 Score 315

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o4.ts
 Start 2309
 GI none
 Exons 2309..2590, 2310..2507

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Soybean
 End 2590
 Score 66

Seq. No. 23384
 Gene No. 48714
 Start 1
 Name OJ990615_11.9C30.C68.o7.tw
 Start 2834
 GI none
 Exons 2834..3187, 2870..3004, 3093..3188

Seq. ID OJ990615_11.9C30.C68
 Strand -
 End 4396
 Method TBLASTX:Wheat
 End 3188
 Score 77

Seq. No. 23384
 Gene No. 48714

Seq. ID OJ990615_11.9C30.C68
 Strand -

Start	1	End	4396
Name	OJ990615_11.9C30.C68.o6.tm	Method	TBLASTX:Maize
Start	2921	End	3241
GI	none	Score	202
Exons	2921..3241		
Seq. No.	23384	Seq. ID	OJ990615_11.9C30.C68
Gene No.	48714	Strand	-
Start	1	End	4396
Name	OJ990615_11.9C30.C68.o7.tm	Method	TBLASTX:Maize
Start	3587	End	3883
GI	none	Score	110
Exons	3587..3883, 3696..3866		
Seq. No.	23384	Seq. ID	OJ990615_11.9C30.C68
Gene No.	48714	Strand	-
Start	1	End	4396
Name	OJ990615_11.9C30.C68.o6.tw	Method	TBLASTX:Wheat
Start	3764	End	4127
GI	none	Score	86
Exons	3764..4123, 3765..3998, 4023..4127		
Seq. No.	23385	Seq. ID	OJ990615_11.9C30.C69
Gene No.	48715	Strand	+
Start	1	End	508
Name	OJ990615_11.9C30.C69.o1.np	Method	AAT/NAP
Start	1	End	508
GI	5123705	Score	143
Exons	1..217, 452..508		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		
Seq. No.	23385	Seq. ID	OJ990615_11.9C30.C69
Gene No.	48715	Strand	+
Start	1	End	508
Name	OJ990615_11.9C30.C69.o1.ts	Method	TBLASTX:Soybean
Start	50	End	215
GI	none	Score	196
Exons	50..178, 54..215, 54..206		
Seq. No.	23385	Seq. ID	OJ990615_11.9C30.C69
Gene No.	48715	Strand	+
Start	1	End	508
Name	OJ990615_11.9C30.C69.o1.gs	Method	GENSCAN
Start	53	End	295
GI	none	Score	.77
Exons	53..295		
Seq. No.	23386	Seq. ID	OJ990615_11.9C30.C71
Gene No.	48716	Strand	-
Start	21	End	337
Name	OJ990615_11.9C30.C71.o1.gs	Method	GENSCAN
Start	21	End	337
GI	none	Score	.42
Exons	21..337		
Seq. No.	23387	Seq. ID	OJ990615_11.9C30.C72
Gene No.	48717	Strand	+

Start	1	End	251
Name	OJ990615_11.9C30.C72.ol.np	Method	AAT/NAP
Start	1	End	248
GI	5123705	Score	198
Exons	1..248		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		

Seq. No.	23387	Seq. ID	OJ990615_11.9C30.C72
Gene No.	48717	Strand	+
Start	1	End	251
Name	OJ990615_11.9C30.C72.ol.gs	Method	GENSCAN
Start	27	End	251
GI	none	Score	.79
Exons	27..251		

Seq. No.	23388	Seq. ID	OJ990615_11.9C30.C73
Gene No.	48718	Strand	+
Start	1	End	283
Name	OJ990615_11.9C30.C73.ol.np	Method	AAT/NAP
Start	1	End	283
GI	5295955	Score	142
Exons	1..283		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	23388	Seq. ID	OJ990615_11.9C30.C73
Gene No.	48718	Strand	+
Start	1	End	283
Name	OJ990615_11.9C30.C73.ol.gs	Method	GENSCAN
Start	163	End	274
GI	none	Score	.54
Exons	163..274		

Seq. No.	23389	Seq. ID	OJ990615_11.9C30.C75
Gene No.	48719	Strand	+
Start	148	End	781
Name	OJ990615_11.9C30.C75.ol.gs	Method	GENSCAN
Start	148	End	781
GI	none	Score	.67
Exons	148..781		

Seq. No.	23389	Seq. ID	OJ990615_11.9C30.C75
Gene No.	48719	Strand	+
Start	148	End	781
Name	OJ990615_11.9C30.C75.ol.tm	Method	TBLASTX:Maize
Start	187	End	396
GI	none	Score	178
Exons	187..396, 188..391		

Seq. No.	23390	Seq. ID	OJ990615_11.9C30.C76
Gene No.	48720	Strand	-
Start	216	End	301
Name	OJ990615_11.9C30.C76.ol.gs	Method	GENSCAN
Start	216	End	301
GI	none	Score	.92
Exons	216..301		

Seq. No. 23391
 Gene No. 48721
 Start 354
 Name OJ990615_11.9C30.C77.o1.gs
 Start 354
 GI none
 Exons 354..440

Seq. ID OJ990615_11.9C30.C77
 Strand +
 End 440
 Method GENSCAN
 End 440
 Score .89

Seq. No. 23391
 Gene No. 48722
 Start 1
 Name OJ990615_11.9C30.C77.o1.np
 Start 1
 GI 4558462
 Exons 1..79, 349..468, 722..768

Seq. ID OJ990615_11.9C30.C77
 Strand -
 End 768
 Method AAT/NAP
 End 768
 Score 54

GI Descrip. (AF079404) cell cycle switch protein [Medicago sativa subsp. X varia]

Seq. No. 23392
 Gene No. 48723
 Start 3360
 Name OJ990615_11.9C30.C78.o1.gs
 Start 3360
 GI none
 Exons 3360..3533, 3623..3763

Seq. ID OJ990615_11.9C30.C78
 Strand +
 End 3763
 Method GENSCAN
 End 3763
 Score .47

Seq. No. 23392
 Gene No. 48724
 Start 2389
 Name OJ990615_11.9C30.C78.o1.np
 Start 2389
 GI 4558462
 Exons 2389..2505, 4049..4117

Seq. ID OJ990615_11.9C30.C78
 Strand -
 End 4117
 Method AAT/NAP
 End 4117
 Score 53

GI Descrip. (AF079404) cell cycle switch protein [Medicago sativa subsp. X varia]

Seq. No. 23393
 Gene No. 48725
 Start 165
 Name OJ990615_11.9C30.C79.o1.gs
 Start 165
 GI none
 Exons 165..174, 1259..1350

Seq. ID OJ990615_11.9C30.C79
 Strand +
 End 1350
 Method GENSCAN
 End 1350
 Score .96

Seq. No. 23393
 Gene No. 48726
 Start 1885
 Name OJ990615_11.9C30.C79.o2.gs
 Start 1885
 GI none
 Exons 1885..1920, 2417..2628, 3032..3154, 3447..3501, 4308..4418, 4583..4657, 4729..4788, 5247..5430

Seq. ID OJ990615_11.9C30.C79
 Strand -
 End 6254
 Method GENSCAN
 End 5430
 Score .82

Seq. No. 23393
 Gene No. 48726
 Start 1885
 Name OJ990615_11.9C30.C79.o1.np

Seq. ID OJ990615_11.9C30.C79
 Strand -
 End 6254
 Method AAT/NAP

Start 2393 End 6254
 GI 6520212 Score 491
 Exons 2393..2654, 3032..3154, 3447..3499, 4270..4418, 4583..4657,
 4729..4788, 6201..6254
 GI Descrip. (AB028226) CW7 [Arabidopsis thaliana]

Seq. No. 23393 Seq. ID OJ990615_11.9C30.C79
 Gene No. 48726 Strand -
 Start 1885 End 6254
 Name OJ990615_11.9C30.C79.ol.gp Method AAT/GAP
 Start 2452 End 4657
 GI LIB3474-010-P1-K1-F9 Score 1025
 Exons 2452..2628, 3032..3147, 3447..3501, 4272..4418, 4583..4657
 GI Descrip. '5902190/gb|AC009317.4|AC009317 5.0e-14 Genomic sequence for
 Arabidopsis thaliana BAC T30E16 from chromosome I, complete
 sequence'

Seq. No. 23393 Seq. ID OJ990615_11.9C30.C79
 Gene No. 48726 Strand -
 Start 1885 End 6254
 Name OJ990615_11.9C30.C79.ol.tm Method TBLASTX:Maize
 Start 4353 End 4791
 GI none Score 90
 Exons 4353..4418, 4353..4418, 4354..4419, 4357..4419, 4574..4660,
 4581..4658, 4588..4659, 4589..4660, 4723..4791, 4730..4789

Seq. No. 23394 Seq. ID OJ990615_11.9C30.C80
 Gene No. 48727 Strand -
 Start 931 End 2558
 Name OJ990615_11.9C30.C80.ol.gs Method GENSCAN
 Start 931 End 2361
 GI none Score .82
 Exons 931..1418, 1734..1746, 2287..2361

Seq. No. 23394 Seq. ID OJ990615_11.9C30.C80
 Gene No. 48727 Strand -
 Start 931 End 2558
 Name OJ990615_11.9C30.C80.ol.np Method AAT/NAP
 Start 943 End 2558
 GI 4539389 Score 231
 Exons 943..1238, 2507..2558
 GI Descrip. (AL035526) putative protein kinase [Arabidopsis thaliana]

Seq. No. 23394 Seq. ID OJ990615_11.9C30.C80
 Gene No. 48727 Strand -
 Start 931 End 2558
 Name OJ990615_11.9C30.C80.ol.tm Method TBLASTX:Maize
 Start 949 End 1236
 GI none Score 137
 Exons 949..1236, 950..1234

Seq. No. 23394 Seq. ID OJ990615_11.9C30.C80
 Gene No. 48727 Strand -
 Start 931 End 2558
 Name OJ990615_11.9C30.C80.ol.ts Method TBLASTX:Soybean
 Start 949 End 1263
 GI none Score 152

Exons 949..1263, 950..1234

Seq. No.	23394	Seq. ID	OJ990615_11.9C30.C80
Gene No.	48727	Strand	-
Start	931	End	2558
Name	OJ990615_11.9C30.C80.o2.np	Method	AAT/NAP
Start	1734	End	2558
GI	6520212	Score	129
Exons	1734..1840, 2287..2361, 2450..2558		
GI Descrip.	(AB028226) CW7 [Arabidopsis thaliana]		

Seq. No.	23395	Seq. ID	OJ990615_11.9C30.C81
Gene No.	48728	Strand	-
Start	1	End	461
Name	OJ990615_11.9C30.C81.o1.np	Method	AAT/NAP
Start	1	End	461
GI	6520212	Score	180
Exons	1..148, 237..461		
GI Descrip.	(AB028226) CW7 [Arabidopsis thaliana]		

Seq. No.	23395	Seq. ID	OJ990615_11.9C30.C81
Gene No.	48728	Strand	-
Start	1	End	461
Name	OJ990615_11.9C30.C81.o1.tm	Method	TBLASTX:Maize
Start	72	End	435
GI	none	Score	90
Exons	72..149, 73..126, 77..148, 78..149, 79..150, 234..431, 237..431, 238..435		

Seq. No.	23395	Seq. ID	OJ990615_11.9C30.C81
Gene No.	48728	Strand	-
Start	1	End	461
Name	OJ990615_11.9C30.C81.o1.gs	Method	GENSCAN
Start	123	End	429
GI	none	Score	.65
Exons	123..148, 293..429		

Seq. No.	23395	Seq. ID	OJ990615_11.9C30.C81
Gene No.	48728	Strand	-
Start	1	End	461
Name	OJ990615_11.9C30.C81.o1.ts	Method	TBLASTX:Soybean
Start	236	End	435
GI	none	Score	73
Exons	236..358, 237..365, 363..431, 379..435		

Seq. No.	23396	Seq. ID	OJ990615_11.9C30.C83
Gene No.	48729	Strand	+
Start	478	End	2665
Name	OJ990615_11.9C30.C83.o1.np	Method	AAT/NAP
Start	478	End	2665
GI	6224592	Score	501
Exons	478..621, 1424..1915, 2284..2498, 2558..2665		
GI Descrip.	(AL132779) putative amidase [Schizosaccharomyces pombe]		

Seq. No.	23396	Seq. ID	OJ990615_11.9C30.C83
Gene No.	48729	Strand	+
Start	478	End	2665

Name	OJ990615_11.9C30.C83.o1.ts	Method	TBLASTX:Soybean
Start	2259	End	2499
GI	none	Score	210
Exons	2259..2498, 2308..2499		
Seq. No.	23397	Seq. ID	OJ990615_11.9C30.C84
Gene No.	48730	Strand	-
Start	903	End	1138
Name	OJ990615_11.9C30.C84.o1.gs	Method	GENSCAN
Start	903	End	1138
GI	none	Score	.76
Exons	903..1020, 1068..1138		
Seq. No.	23398	Seq. ID	OJ990615_11.9C30.C85
Gene No.	48731	Strand	+
Start	1	End	2238
Name	OJ990615_11.9C30.C85.o1.np	Method	AAT/NAP
Start	1	End	2238
GI	5123705	Score	273
Exons	1..63, 574..740, 1760..1990, 2166..2238		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		
Seq. No.	23398	Seq. ID	OJ990615_11.9C30.C85
Gene No.	48731	Strand	+
Start	1	End	2238
Name	OJ990615_11.9C30.C85.o1.ts	Method	TBLASTX:Soybean
Start	571	End	747
GI	none	Score	216
Exons	571..747, 575..736		
Seq. No.	23398	Seq. ID	OJ990615_11.9C30.C85
Gene No.	48731	Strand	+
Start	1	End	2238
Name	OJ990615_11.9C30.C85.o1.gs	Method	GENSCAN
Start	574	End	2028
GI	none	Score	.73
Exons	574..813, 1806..2028		
Seq. No.	23399	Seq. ID	OJ990615_11.9C30.C86
Gene No.	48732	Strand	+
Start	1	End	3053
Name	OJ990615_11.9C30.C86.o1.np	Method	AAT/NAP
Start	1	End	1108
GI	5123705	Score	408
Exons	1..111, 755..1108		
GI Descrip.	(AL079347) amidase-like protein [Arabidopsis thaliana]		
Seq. No.	23399	Seq. ID	OJ990615_11.9C30.C86
Gene No.	48732	Strand	+
Start	1	End	3053
Name	OJ990615_11.9C30.C86.o1.gs	Method	GENSCAN
Start	77	End	3053
GI	none	Score	.66
Exons	77..111, 755..983, 2662..2817, 2823..3053		
Seq. No.	23399	Seq. ID	OJ990615_11.9C30.C86
Gene No.	48732	Strand	+

Start	1	End	3053
Name	OJ990615_11.9C30.C86.o1.ts	Method	TBLASTX:Soybean
Start	872	End	1096
GI	none	Score	103
Exons	872..988, 913..981, 991..1095, 992..1096		

Seq. No.	23400	Seq. ID	OJ990615_11.9C30.C87
Gene No.	48733	Strand	+
Start	2236	End	2623
Name	OJ990615_11.9C30.C87.o2.np	Method	AAT/NAP
Start	2236	End	2623
GI	6561891	Score	77
Exons	2236..2420, 2545..2623		
GI Descrip.	(AB035645) ferredoxin [Zea mays]		

Seq. No.	23400	Seq. ID	OJ990615_11.9C30.C87
Gene No.	48734	Strand	-
Start	1	End	2433
Name	OJ990615_11.9C30.C87.o1.np	Method	AAT/NAP
Start	1	End	2433
GI	4539293	Score	40
Exons	1..45, 2061..2433		
GI Descrip.	(AL049480) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	23401	Seq. ID	OJ990615_11.9C30.C88
Gene No.	48735	Strand	+
Start	2521	End	4791
Name	OJ990615_11.9C30.C88.o1.gs	Method	GENSCAN
Start	2521	End	4791
GI	none	Score	.57
Exons	2521..2735, 3584..4076, 4527..4622, 4674..4791		

Seq. No.	23402	Seq. ID	OJ990525_14.9C03.C1
Gene No.	48736	Strand	+
Start	67	End	437
Name	OJ990525_14.9C03.C1.o1.gp	Method	AAT/GAP
Start	67	End	437
GI	34656_1.R1084	Score	727
Exons	67..437		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	23403	Seq. ID	OJ990525_14.9C03.C2
Gene No.	48737	Strand	+
Start	1	End	208
Name	OJ990525_14.9C03.C2.o1.gp	Method	AAT/GAP
Start	1	End	208
GI	3061011	Score	408
Exons	1..208		

Seq. No.	23404	Seq. ID	OJ990525_14.9C03.C3
Gene No.	48738	Strand	-
Start	1	End	767
Name	OJ990525_14.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	767
GI	6721512	Score	61
Exons	1..19, 415..532, 742..767		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	23404	Seq. ID	OJ990525_14.9C03.C3
Gene No.	48738	Strand	-
Start	1	End	767
Name	OJ990525_14.9C03.C3.o1.gs	Method	GENSCAN
Start	16	End	350
GI	none	Score	.47
Exons	16..79, 149..198, 259..350		

Seq. No.	23405	Seq. ID	OJ990525_14.9C03.C4
Gene No.	48739	Strand	+
Start	271	End	659
Name	OJ990525_14.9C03.C4.o1.gs	Method	GENSCAN
Start	271	End	659
GI	none	Score	.62
Exons	271..315, 387..659		

Seq. No.	23405	Seq. ID	OJ990525_14.9C03.C4
Gene No.	48739	Strand	+
Start	271	End	659
Name	OJ990525_14.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	273	End	637
GI	none	Score	44
Exons	273..311, 273..314, 274..318, 368..472, 377..472, 387..479, 483..617, 490..618, 490..618, 491..622, 548..637		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48740	Strand	+
Start	1137	End	1445
Name	OJ990525_14.9C03.C5.o1.gs	Method	GENSCAN
Start	1137	End	1445
GI	none	Score	.9
Exons	1137..1445		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48741	Strand	+
Start	9742	End	12927
Name	OJ990525_14.9C03.C5.o1.np	Method	AAT/NAP
Start	9709	End	12924
GI	6522592	Score	1718
Exons	9709..11397, 11473..12671, 12714..12924		

GI Descrip. (AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48741	Strand	+
Start	9742	End	12927
Name	OJ990525_14.9C03.C5.o3.gs	Method	GENSCAN
Start	9742	End	12927
GI	none	Score	.54
Exons	9742..12927		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48742	Strand	-
Start	4864	End	8619
Name	OJ990525_14.9C03.C5.o5.tw	Method	TBLASTX:Wheat

Start	3002	End	3371
GI	none	Score	116
Exons	3002..3142, 3003..3137, 3146..3310, 3147..3299, 3291..3371		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48742	Strand	-
Start	4864	End	8619
Name	OJ990525_14.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	3014	End	3624
GI	none	Score	345
Exons	3014..3313, 3015..3386, 3144..3380, 3382..3624		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48742	Strand	-
Start	4864	End	8619
Name	OJ990525_14.9C03.C5.o3.ts	Method	TBLASTX:Soybean
Start	3228	End	3756
GI	none	Score	54
Exons	3228..3284, 3354..3386, 3411..3581, 3415..3582, 3595..3756, 3654..3683		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48742	Strand	-
Start	4864	End	8619
Name	OJ990525_14.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	3381	End	3930
GI	none	Score	220
Exons	3381..3710, 3382..3753, 3754..3786, 3832..3930		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48742	Strand	-
Start	4864	End	8619
Name	OJ990525_14.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	3832	End	4287
GI	none	Score	326
Exons	3832..4200, 3835..4089, 3840..4193, 4231..4287		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48742	Strand	-
Start	4864	End	8619
Name	OJ990525_14.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	4030	End	4395
GI	none	Score	221
Exons	4030..4305, 4143..4280, 4258..4287, 4286..4393, 4286..4393, 4291..4395		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48742	Strand	-
Start	4864	End	8619
Name	OJ990525_14.9C03.C5.o6.tm	Method	TBLASTX:Maize
Start	4294	End	4623
GI	none	Score	159
Exons	4294..4416, 4295..4444, 4295..4450, 4451..4510, 4507..4623		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48742	Strand	-
Start	4864	End	8619

Name	OJ990525_14.9C03.C5.o2.gs	Method	GENSCAN
Start	4864	End	8619
GI	none	Score	.59
Exons	4864..5006, 5681..5763, 5921..6091, 6353..6415, 6603..6691, 6888..7954, 7988..8108, 8116..8619		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48743	Strand	
Start	9910	End	12909
Name	OJ990525_14.9C03.C5.o1.tc	Method	TBLASTX:Cress
Start	9910	End	12630
GI	none	Score	38
Exons	9910..9936, 9949..10068, 9958..10068, 9966..10142, 9976..10500, 10018..10500, 10114..10161, 10210..10284, 10234..10500, 10237..10521, 10237..10428, 10260..10427, 10318..10512, 10519..10659, 10525..10665, 10528..10674, 10528..10659, 10537..10647, 10543..10701, 10741..10830, 10762..10833, 10813..11175, 10813..10968, 10837..11175, 10837..10968, 10840..10968, 10846..11175, 10849..11175, 10875..11102, 10918..11175, 11019..11120, 11020..11175, 11239..11610, 11239..11406, 11239..11610, 11239..11610, 11239..11538, 11272..11616, 11383..11610, 11455..11658, 11500..11610, 12025..12129, 12289..12462, 12342..12449, 12499..12630, 12504..12596		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48743	Strand	
Start	9910	End	12909
Name	OJ990525_14.9C03.C5.o4.tm	Method	TBLASTX:Maize
Start	9937	End	11613
GI	none	Score	72
Exons	9937..10068, 9949..10068, 9958..10068, 9976..10479, 10018..10500, 10528..10674, 10678..10710, 10741..10830, 10747..10833, 10785..10820, 10813..11082, 10813..11103, 10840..11103, 10918..11175, 10947..11189, 11019..11183, 11019..11135, 11020..11103, 11239..11589, 11239..11610, 11239..11613, 11239..11610, 11272..11610, 11310..11582		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48743	Strand	
Start	9910	End	12909
Name	OJ990525_14.9C03.C5.o2.ts	Method	TBLASTX:Soybean
Start	9943	End	11658
GI	none	Score	92
Exons	9943..10149, 9949..10281, 10117..10500, 10117..10512, 10210..10512, 10237..10506, 10528..10674, 10744..10830, 10747..10833, 10813..11172, 10813..11175, 10843..11175, 10849..11175, 10929..11186, 11017..11175, 11055..11183, 11056..11175, 11239..11610, 11239..11610, 11239..11613, 11239..11610, 11275..11610, 11310..11540, 11341..11610, 11515..11658		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48743	Strand	
Start	9910	End	12909
Name	OJ990525_14.9C03.C5.o4.tw	Method	TBLASTX:Wheat
Start	10441	End	11610

GI	none	Score	126
Exons	10441..10665, 10467..10694, 10579..10665, 10726..11085, 10800..11066, 11491..11610		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48743	Strand	
Start	9910	End	12909
Name	OJ990525_14.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	11893	End	12714
GI	none	Score	91
Exons	11893..11985, 11937..11981, 12019..12249, 12057..12212, 12271..12513, 12351..12437, 12487..12714, 12504..12608		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48743	Strand	
Start	9910	End	12909
Name	OJ990525_14.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	12052	End	12522
GI	none	Score	224
Exons	12052..12231, 12052..12225, 12057..12230, 12274..12459, 12348..12458, 12478..12522		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48743	Strand	
Start	9910	End	12909
Name	OJ990525_14.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	12205	End	12618
GI	none	Score	35
Exons	12205..12225, 12289..12462, 12333..12446, 12478..12618, 12489..12608		

Seq. No.	23406	Seq. ID	OJ990525_14.9C03.C5
Gene No.	48743	Strand	
Start	9910	End	12909
Name	OJ990525_14.9C03.C5.o5.tm	Method	TBLASTX:Maize
Start	12525	End	12909
GI	none	Score	186
Exons	12525..12677, 12526..12714, 12787..12909		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48744	Strand	+
Start	1552	End	2352
Name	OJ990525_14.9C03.C6.o1.gp	Method	AAT/GAP
Start	1552	End	1850
GI	none	Score	523
Exons	1552..1850		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48744	Strand	+
Start	1552	End	2352
Name	OJ990525_14.9C03.C6.o1.gs	Method	GENSCAN
Start	1600	End	2352
GI	none	Score	.98
Exons	1600..2352		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48744	Strand	+

Start	1552	End	2352
Name	OJ990525_14.9C03.C6.o1.np	Method	AAT/NAP
Start	1705	End	2352
GI	3776575	Score	516
Exons	1705..2352		
GI Descrip.	(AC005388) Similar to Schizosaccharomyces CCAAT-binding factor F7G19.16 gi 1922964 from Arabidopsis thaliana BAC gb AC000106. EST gb H36963 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48745	Strand	+
Start	4039	End	10011
Name	OJ990525_14.9C03.C6.o2.gs	Method	GENSCAN
Start	4039	End	9026
GI	none	Score	.66
Exons	4039..4289, 6037..6079, 7255..7290, 7527..7733, 8605..8769, 8931..9026		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48745	Strand	+
Start	4039	End	10011
Name	OJ990525_14.9C03.C6.o2.np	Method	AAT/NAP
Start	7546	End	9561
GI	5019464	Score	285
Exons	7546..7799, 8605..8769, 8931..8972, 9064..9174, 9414..9561		
GI Descrip.	(AJ132219) putative MADS domain transcription factor GGM13 [Gnetum gnemon]		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48745	Strand	+
Start	4039	End	10011
Name	OJ990525_14.9C03.C6.o2.gp	Method	AAT/GAP
Start	9396	End	10011
GI	none	Score	904
Exons	9396..9754, 9893..10011		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48746	Strand	+
Start	10879	End	11063
Name	OJ990525_14.9C03.C6.o4.gp	Method	AAT/GAP
Start	10879	End	11063
GI	1037042	Score	248
Exons	10879..11063		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48747	Strand	-
Start	9350	End	9942
Name	OJ990525_14.9C03.C6.o3.gs	Method	GENSCAN
Start	9350	End	9942
GI	none	Score	.49
Exons	9350..9942		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48748	Strand	-
Start	10249	End	10813
Name	OJ990525_14.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	1842	End	2208

GI	none	Score	208
Exons	1842..2066, 1845..2066, 1846..2070, 2061..2150, 2067..2204, 2068..2208		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48748	Strand	-
Start	10249	End	10813
Name	OJ990525_14.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	1845	End	2184
GI	none	Score	178
Exons	1845..2138, 1845..2183, 1846..2184		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48748	Strand	-
Start	10249	End	10813
Name	OJ990525_14.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	1846	End	2205
GI	none	Score	507
Exons	1846..2205, 1866..2204		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48748	Strand	-
Start	10249	End	10813
Name	OJ990525_14.9C03.C6.o2.tc	Method	TBLASTX:Cress
Start	7456	End	7728
GI	none	Score	226
Exons	7456..7728, 7545..7727		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48748	Strand	-
Start	10249	End	10813
Name	OJ990525_14.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	7492	End	7752
GI	none	Score	220
Exons	7492..7752, 7536..7721		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48748	Strand	-
Start	10249	End	10813
Name	OJ990525_14.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	7516	End	7725
GI	none	Score	237
Exons	7516..7725, 7533..7724		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48748	Strand	-
Start	10249	End	10813
Name	OJ990525_14.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	7533	End	7725
GI	none	Score	245
Exons	7533..7724, 7534..7725		

Seq. No.	23407	Seq. ID	OJ990525_14.9C03.C6
Gene No.	48748	Strand	-
Start	10249	End	10813
Name	OJ990525_14.9C03.C6.o3.gp	Method	AAT/GAP
Start	10249	End	10813

GI uC-osf1M202098g11b1 Score 648
 Exons 10249..10676, 10783..10813
 GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450
 [Arabidopsis thaliana]'

Seq. No. 23408 Seq. ID OJ990525_14.9C03.C8
 Gene No. 48749 Strand -
 Start 2254 End 2410
 Name OJ990525_14.9C03.C8.o2.gs Method GENSCAN
 Start 2254 End 2410
 GI none Score .4
 Exons 2254..2410

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48750 Strand +
 Start 5921 End 8574
 Name OJ990525_14.9C03.C9.o1.gs Method GENSCAN
 Start 5921 End 8192
 GI none Score .67
 Exons 5921..6029, 6061..6149, 6467..6649, 6680..6698, 7410..7496,
 7541..7725, 7948..8065, 8131..8192

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48750 Strand +
 Start 5921 End 8574
 Name OJ990525_14.9C03.C9.o1.np Method AAT/NAP
 Start 7265 End 8321
 GI 4512627 Score 472
 Exons 7265..7496, 7578..7725, 7948..8157, 8256..8321
 GI Descrip. (AC004793) Similar to gb|Z29643 protein kinase C inhibitor
 (PKCI) from Zea mays and a member of HIT family PF|01230.
 [Arabidopsis thaliana]

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48750 Strand +
 Start 5921 End 8574
 Name OJ990525_14.9C03.C9.o1.gp Method AAT/GAP
 Start 7624 End 8574
 GI 70222_1.R1084 Score 963
 Exons 7624..7725, 7948..8065, 8257..8574
 GI Descrip. '629858/pir||S45368 1.0e-37 protein kinase C inhibitor - maize'

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48751 Strand +
 Start 9805 End 11096
 Name OJ990525_14.9C03.C9.o3.np Method AAT/NAP
 Start 9805 End 11096
 GI 5777617 Score 82
 Exons 9805..9953, 10945..11096
 GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48752 Strand +
 Start 16312 End 21115
 Name OJ990525_14.9C03.C9.o3.gs Method GENSCAN
 Start 16312 End 21115
 GI none Score .44

Exons 16312..17974, 18079..18178, 18411..18759, 21008..21115

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
Gene No. 48752 Strand +
Start 16312 End 21115
Name OJ990525_14.9C03.C9.o4.np Method AAT/NAP
Start 16861 End 18642
GI 2792220 Score 732
Exons 16861..18042, 18100..18642
GI Descrip. (AF032688) NBS-LRR type resistance protein [Oryza sativa]

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
Gene No. 48753 Strand +
Start 22205 End 25267
Name OJ990525_14.9C03.C9.o4.gs Method GENSCAN
Start 22205 End 25267
GI none Score .53
Exons 22205..22418, 22448..22729, 22819..22864, 22970..23008,
23704..23732, 23888..24165, 24301..24427, 24547..24672,
25206..25267

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
Gene No. 48754 Strand +
Start 26150 End 26514
Name OJ990525_14.9C03.C9.o4.gp Method AAT/GAP
Start 26150 End 26514
GI none Score 675
Exons 26150..26514

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
Gene No. 48755 Strand +
Start 39973 End 43082
Name OJ990525_14.9C03.C9.o10.np Method AAT/NAP
Start 39973 End 43082
GI 5902445 Score 3063
Exons 39973..41746, 41789..43082
GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
Gene No. 48756 Strand +
Start 52457 End 54692
Name OJ990525_14.9C03.C9.o16.np Method AAT/NAP
Start 52457 End 54692
GI 4321762 Score 56
Exons 52457..52620, 54595..54692
GI Descrip. (AF061107) transcription factor MYC7E [Zea mays]

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
Gene No. 48756 Strand +
Start 52457 End 54692
Name OJ990525_14.9C03.C9.o15.np Method AAT/NAP
Start 54255 End 54353
GI 5777617 Score 98
Exons 54255..54353
GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9

Gene No. 48757 Strand -
 Start 9132 End 14955
 Name OJ990525_14.9C03.C9.o2.gp Method AAT/GAP
 Start 8928 End 10835
 GI 30856_1.R1084 Score 1344
 Exons 8928..9260, 9350..9520, 9705..9793, 10714..10835
 GI Descrip. '3668097 3.0e-57 (AC004667) putative glycine cleavage system protein H precursor [Arabidopsis thaliana]'

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48757 Strand -
 Start 9132 End 14955
 Name OJ990525_14.9C03.C9.o2.gs Method GENSCAN
 Start 9132 End 14955
 GI none Score .42
 Exons 9132..9260, 9350..9520, 9705..9793, 10714..10863, 11924..12121, 12259..12542, 12989..13099, 13547..13655, 14832..14955

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48757 Strand -
 Start 9132 End 14955
 Name OJ990525_14.9C03.C9.o2.np Method AAT/NAP
 Start 9135 End 10792
 GI 3668097 Score 505
 Exons 9135..9260, 9350..9520, 9705..9796, 10714..10792
 GI Descrip. (AC004667) glycine decarboxylase complex H-protein [Arabidopsis thaliana]

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48758 Strand -
 Start 25364 End 29425
 Name OJ990525_14.9C03.C9.o5.gs Method GENSCAN
 Start 25364 End 29234
 GI none Score .91
 Exons 25364..25449, 26520..26646, 26723..26881, 27210..27527, 27868..28128, 28234..28311, 29040..29234

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48758 Strand -
 Start 25364 End 29425
 Name OJ990525_14.9C03.C9.o3.gp Method AAT/GAP
 Start 26080 End 26137
 GI none Score 72
 Exons 26080..26137

Seq. No. 23409 Seq. ID OJ990525_14.9C03.C9
 Gene No. 48758 Strand -
 Start 25364 End 29425
 Name OJ990525_14.9C03.C9.o8.np Method AAT/NAP
 Start 26455 End 29234
 GI 129916 Score 1696
 Exons 26455..26646, 26723..26881, 27210..27527, 27868..28128, 28234..28311, 29040..29234
 GI Descrip. PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi|66911|pir||TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi|21835|emb|CAA33302| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48758	Strand	-
Start	25364	End	29425
Name	OJ990525_14.9C03.C9.o5.gp	Method	AAT/GAP
Start	28005	End	29425
GI	611_1.R1084	Score	908
Exons	28005..28128, 28234..28311, 29040..29256, 29352..29425		
GI Descrip.	'129916/sp P12783 PGKY_WHEAT-1.0e-38 PHOSPHOGLYCERATE KINASE, CYTOSOLIC >gi_66911_pir_TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat >gi_21835_emb_CAA33302_ (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]'		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48759	Strand	-
Start	31088	End	33584
Name	OJ990525_14.9C03.C9.o6.gs	Method	GENSCAN
Start	31088	End	32167
GI	none	Score	.84
Exons	31088..32119, 32126..32167		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48759	Strand	-
Start	31088	End	33584
Name	OJ990525_14.9C03.C9.o9.np	Method	AAT/NAP
Start	31112	End	33584
GI	4680501	Score	477
Exons	31112..31749, 33560..33584		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48760	Strand	-
Start	34068	End	35162
Name	OJ990525_14.9C03.C9.o7.gs	Method	GENSCAN
Start	34068	End	35162
GI	none	Score	.49
Exons	34068..35162		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48761	Strand	-
Start	43697	End	48207
Name	OJ990525_14.9C03.C9.o9.gs	Method	GENSCAN
Start	43697	End	48207
GI	none	Score	.45
Exons	43697..44167, 44600..45136, 45509..45643, 45755..45879, 46047..46423, 48035..48207		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48761	Strand	-
Start	43697	End	48207
Name	OJ990525_14.9C03.C9.o11.np	Method	AAT/NAP
Start	44546	End	46344
GI	6721561	Score	947
Exons	44546..45304, 45375..45437, 45509..45688, 46276..46344		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976)		

corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48761	Strand	-
Start	43697	End	48207
Name	OJ990525_14.9C03.C9.o12.np	Method	AAT/NAP
Start	45978	End	46543
GI	6907089	Score	251
Exons	45978..46543		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48762	Strand	-
Start	48527	End	53076
Name	OJ990525_14.9C03.C9.o14.np	Method	AAT/NAP
Start	48527	End	52612
GI	4680341	Score	170
Exons	48527..48597, 49520..50173, 52564..52612		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48762	Strand	-
Start	48527	End	53076
Name	OJ990525_14.9C03.C9.o13.np	Method	AAT/NAP
Start	49030	End	49149
GI	6721512	Score	57
Exons	49030..49149		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48762	Strand	-
Start	48527	End	53076
Name	OJ990525_14.9C03.C9.o10.gs	Method	GENSCAN
Start	49603	End	53076
GI	none	Score	.75
Exons	49603..50365, 50395..50628, 51039..51208, 51413..51608, 52403..52549, 52680..52836, 52950..53076		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48763	Strand	-
Start	53259	End	53485
Name	OJ990525_14.9C03.C9.o6.gp	Method	AAT/GAP
Start	53259	End	53485
GI	5004057	Score	343
Exons	53259..53485		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48764	Strand	-
Start	53807	End	55618
Name	OJ990525_14.9C03.C9.o17.np	Method	AAT/NAP
Start	53807	End	55618
GI	4321762	Score	110
Exons	53807..53832, 54454..54586, 55491..55618		
GI Descrip.	(AF061107) transcription factor MYC7E [Zea mays]		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
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Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o4.tc	Method	TBLASTX:Cress
Start	7575	End	8022
GI	none	Score	220
Exons	7575..7724, 7579..7725, 7581..7727, 7947..8021, 7948..8022		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o8.tm	Method	TBLASTX:Maize
Start	7575	End	8324
GI	none	Score	220
Exons	7575..7715, 7579..7725, 7947..8066, 7948..8070, 8259..8324		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o7.ts	Method	TBLASTX:Soybean
Start	7579	End	8315
GI	none	Score	216
Exons	7579..7725, 7579..7716, 7581..7724, 7947..8063, 7948..8064, 8256..8315		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o2.tc	Method	TBLASTX:Cress
Start	9129	End	9804
GI	none	Score	86
Exons	9129..9260, 9132..9260, 9332..9523, 9339..9521, 9347..9529, 9539..9598, 9705..9794, 9715..9804		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o3.ts	Method	TBLASTX:Soybean
Start	9132	End	9804
GI	none	Score	86
Exons	9132..9245, 9132..9260, 9332..9523, 9339..9524, 9412..9525, 9414..9530, 9705..9794, 9705..9794, 9715..9804		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o4.tm	Method	TBLASTX:Maize
Start	9132	End	9804
GI	none	Score	80
Exons	9132..9272, 9141..9260, 9331..9522, 9332..9523, 9332..9523, 9394..9525, 9700..9783, 9704..9784, 9705..9791, 9705..9794, 9709..9804		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o10.tm	Method	TBLASTX:Maize
Start	17509	End	17886

GI	none	Score	184
Exons	17509..17820, 17517..17819, 17821..17886		
Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o6.ts	Method	TBLASTX:Soybean
Start	17527	End	18687
GI	none	Score	219
Exons	17527..17883, 17529..17801, 17602..17886, 18220..18441, 18484..18687		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	26308	End	29277
GI	none	Score	177
Exons	26308..26619, 26367..26399, 26452..26619, 26456..26629, 26486..26623, 26718..26888, 26723..26914, 26723..26878, 26724..26882, 27207..27527, 27250..27528, 27260..27529, 27332..27529, 27822..28124, 27843..28127, 27862..28128, 27863..28129, 28231..28368, 28232..28312, 28236..28313, 29034..29234, 29038..29277, 29040..29234, 29041..29238		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	26455	End	29239
GI	none	Score	237
Exons	26455..26649, 26456..26647, 26461..26649, 26723..26884, 26723..26884, 26731..26889, 26731..26889, 27207..27527, 27253..27528, 27257..27529, 27849..28112, 27862..28128, 27863..28132, 28231..28368, 28232..28312, 29034..29228, 29041..29220, 29213..29239		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	26456	End	29243
GI	none	Score	42
Exons	26456..26491, 26479..26511, 26492..26530, 26531..26647, 26533..26649, 26723..26878, 26724..26888, 27207..27527, 27253..27528, 27257..27529, 27841..28131, 27862..28128, 27866..28129, 28231..28368, 28232..28312, 29034..29129, 29047..29130, 29145..29234, 29148..29243, 29149..29235		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o3.tw	Method	TBLASTX:Wheat
Start	26495	End	27279
GI	none	Score	176
Exons	26495..26611, 26495..26602, 26497..26613, 26497..26613, 26611..26646, 26615..26647, 26723..26884, 26723..26878,		

27207..27266, 27207..27269, 27211..27279

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o7.tw	Method	TBLASTX:Wheat
Start	27282	End	27964
GI	none	Score	275
Exons	27282..27527, 27283..27528, 27293..27604, 27311..27529, 27843..27962, 27862..27963, 27863..27964, 27866..27964		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o10.tw	Method	TBLASTX:Wheat
Start	31118	End	49836
GI	none	Score	67
Exons	31118..31207, 31223..31396, 31406..31516, 34080..34178, 34081..34179, 34188..34349, 34419..34493, 49765..49836		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	31119	End	50031
GI	none	Score	58
Exons	31119..31208, 31127..31219, 31220..31390, 31266..31391, 31412..31666, 31443..31484, 31512..31646, 34092..34175, 34102..34218, 34188..34355, 34395..34664, 34438..34644, 49595..49702, 49630..49719, 49762..49860, 49787..49831, 49837..50031, 49880..49984		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	31127	End	50513
GI	none	Score	141
Exons	31127..31219, 31220..31390, 31412..31666, 31443..31670, 34092..34175, 34188..34355, 34395..34664, 34425..34607, 34450..34608, 35013..35117, 35026..35124, 49630..49860, 49837..50025, 50367..50513		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o3.tc	Method	TBLASTX:Cress
Start	31412	End	50037
GI	none	Score	93
Exons	31412..31669, 31443..31652, 34410..34664, 49762..49830, 49903..50037		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o8.tw	Method	TBLASTX:Wheat
Start	38242	End	38640

GI	none	Score	59
Exons	38242..38292, 38293..38406, 38304..38354, 38380..38640, 38412..38639		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o9.tm	Method	TBLASTX:Maize
Start	38287	End	38526
GI	none	Score	198
Exons	38287..38526		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o4.tw	Method	TBLASTX:Wheat
Start	39271	End	50230
GI	none	Score	139
Exons	39271..39453, 39279..39452, 39490..39726, 39492..39716, 50072..50230		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	39919	End	40374
GI	none	Score	553
Exons	39919..40374, 39919..40359, 39927..40373		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o3.tm	Method	TBLASTX:Maize
Start	40048	End	40404
GI	none	Score	418
Exons	40048..40404, 40110..40403		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o6.tm	Method	TBLASTX:Maize
Start	40432	End	40815
GI	none	Score	329
Exons	40432..40815, 40459..40569, 40599..40814		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	40489	End	40913
GI	none	Score	465
Exons	40489..40911, 40489..40893, 40599..40913		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o4.ts	Method	TBLASTX:Soybean

Start 40543
 GI none
 Exons 40543..40968, 40602..40727

End 40968
 Score 308

Seq. No. 23409
 Gene No. 48765
 Start 61151
 Name OJ990525_14.9C03.C9.o9.tw
 Start 41059
 GI none
 Exons 41059..41157, 41142..41282, 41394..41465

Seq. ID OJ990525_14.9C03.C9
 Strand -
 End 61272
 Method TBLASTX:Wheat
 End 41465
 Score 78

Seq. No. 23409
 Gene No. 48765
 Start 61151
 Name OJ990525_14.9C03.C9.o11.tw
 Start 41508
 GI none
 Exons 41508..41762, 41510..41635

Seq. ID OJ990525_14.9C03.C9
 Strand -
 End 61272
 Method TBLASTX:Wheat
 End 41762
 Score 181

Seq. No. 23409
 Gene No. 48765
 Start 61151
 Name OJ990525_14.9C03.C9.o5.tm
 Start 41967
 GI none
 Exons 41967..42272, 41984..42271

Seq. ID OJ990525_14.9C03.C9
 Strand -
 End 61272
 Method TBLASTX:Maize
 End 42272
 Score 359

Seq. No. 23409
 Gene No. 48765
 Start 61151
 Name OJ990525_14.9C03.C9.o5.tw
 Start 42098
 GI none
 Exons 42098..42154, 42099..42479, 42200..42442

Seq. ID OJ990525_14.9C03.C9
 Strand -
 End 61272
 Method TBLASTX:Wheat
 End 42479
 Score 366

Seq. No. 23409
 Gene No. 48765
 Start 61151
 Name OJ990525_14.9C03.C9.o6.tw
 Start 42486
 GI none
 Exons 42486..42776, 42488..42574, 42942..43073, 42947..43072

Seq. ID OJ990525_14.9C03.C9
 Strand -
 End 61272
 Method TBLASTX:Wheat
 End 43073
 Score 247

Seq. No. 23409
 Gene No. 48765
 Start 61151
 Name OJ990525_14.9C03.C9.o7.tm
 Start 59419
 GI none
 Exons 59419..59499, 59423..59479, 59500..59631, 59525..59629, 59905..59991, 59906..59992, 60069..60152, 60081..60152, 60082..60153, 60318..60374, 60322..60387, 60324..60368, 60568..60666, 60606..60656, 61172..61261, 61173..61259

Seq. ID OJ990525_14.9C03.C9
 Strand -
 End 61272
 Method TBLASTX:Maize
 End 61261
 Score 67

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o5.ts	Method	TBLASTX:Soybean
Start	59880	End	60368
GI	none	Score	97
Exons	59880..59990, 59882..59989, 59905..59994, 59906..59995, 60069..60152, 60081..60152, 60082..60153, 60324..60368		

Seq. No.	23409	Seq. ID	OJ990525_14.9C03.C9
Gene No.	48765	Strand	-
Start	61151	End	61272
Name	OJ990525_14.9C03.C9.o18.np	Method	AAT/NAP
Start	61151	End	61272
GI	3193327	Score	96
Exons	61151..61272		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		

Seq. No.	23410	Seq. ID	OJ990525_14.9C03.C10
Gene No.	48766	Strand	-
Start	146	End	863
Name	OJ990525_14.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	137	End	635
GI	none	Score	43
Exons	137..217, 153..203, 179..289, 228..260, 290..409, 314..427, 315..422, 431..469, 522..635, 539..628		

Seq. No.	23410	Seq. ID	OJ990525_14.9C03.C10
Gene No.	48766	Strand	-
Start	146	End	863
Name	OJ990525_14.9C03.C10.o1.gs	Method	GENSCAN
Start	146	End	715
GI	none	Score	1
Exons	146..715		

Seq. No.	23410	Seq. ID	OJ990525_14.9C03.C10
Gene No.	48766	Strand	-
Start	146	End	863
Name	OJ990525_14.9C03.C10.o1.np	Method	AAT/NAP
Start	149	End	863
GI	6910573	Score	393
Exons	149..687, 775..863		
GI Descrip.	(AC006424) First of four adjacent putative subtilase family > [Arabidopsis thaliana]		

Seq. No.	23410	Seq. ID	OJ990525_14.9C03.C10
Gene No.	48766	Strand	-
Start	146	End	863
Name	OJ990525_14.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	179	End	637
GI	none	Score	104
Exons	179..250, 314..469, 530..637		

Seq. No.	23410	Seq. ID	OJ990525_14.9C03.C10
Gene No.	48766	Strand	-
Start	146	End	863

Name	OJ990525_14.9C03.C10.ol.gp	Method	AAT/GAP
Start	353	End	725
GI	LIB3431-005-P1-K1-E11	Score	693
Exons	353..725		
GI Descrip.	'4455271/emb CAB36807.1 1.0e-18 (AL035527) serine protease-like protein [Arabidopsis thaliana]'		

Seq. No.	23410	Seq. ID	OJ990525_14.9C03.C10
Gene No.	48766	Strand	-
Start	146	End	863
Name	OJ990525_14.9C03.C10.ol.tc	Method	TBLASTX:Cress
Start	374	End	847
GI	none	Score	87
Exons	374..511, 539..676, 567..659, 776..847, 777..842		

Seq. No.	23411	Seq. ID	OJ990525_14.9C03.C12
Gene No.	48767	Strand	-
Start	322	End	490
Name	OJ990525_14.9C03.C12.ol.np	Method	AAT/NAP
Start	322	End	490
GI	2695937	Score	193
Exons	322..490		
GI Descrip.	(AJ222782) subtilisin-like protease [Hordeum vulgare]		

Seq. No.	23412	Seq. ID	OJ990525_14.9C03.C14
Gene No.	48768	Strand	+
Start	1	End	496
Name	OJ990525_14.9C03.C14.ol.np	Method	AAT/NAP
Start	1	End	496
GI	3402751	Score	270
Exons	1..496		
GI Descrip.	(AL031187) putative protein [Arabidopsis thaliana]		

Seq. No.	23412	Seq. ID	OJ990525_14.9C03.C14
Gene No.	48768	Strand	+
Start	1	End	496
Name	OJ990525_14.9C03.C14.ol.gs	Method	GENSCAN
Start	65	End	445
GI	none	Score	.75
Exons	65..252, 295..445		

Seq. No.	23412	Seq. ID	OJ990525_14.9C03.C14
Gene No.	48768	Strand	+
Start	1	End	496
Name	OJ990525_14.9C03.C14.ol.ts	Method	TBLASTX:Soybean
Start	92	End	454
GI	none	Score	116
Exons	92..199, 97..201, 215..454, 259..414		

Seq. No.	23412	Seq. ID	OJ990525_14.9C03.C14
Gene No.	48768	Strand	+
Start	1	End	496
Name	OJ990525_14.9C03.C14.ol.tm	Method	TBLASTX:Maize
Start	101	End	418
GI	none	Score	105
Exons	101..190, 260..292, 296..418		

Seq. No.	23413	Seq. ID	OJ990525_14.9C03.C16
Gene No.	48769	Strand	-
Start	120	End	248
Name	OJ990525_14.9C03.C16.o1.gs	Method	GENSCAN
Start	120	End	248
GI	none	Score	.95
Exons	120..248		

Seq. No.	23414	Seq. ID	OJ990405_11.9C03.C4
Gene No.	48770	Strand	-
Start	1	End	605
Name	OJ990405_11.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	605
GI	5902445	Score	561
Exons	1..605		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23414	Seq. ID	OJ990405_11.9C03.C4
Gene No.	48770	Strand	-
Start	1	End	605
Name	OJ990405_11.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	62	End	418
GI	none	Score	73
Exons	62..418, 63..221, 291..398		

Seq. No.	23414	Seq. ID	OJ990405_11.9C03.C4
Gene No.	48770	Strand	-
Start	1	End	605
Name	OJ990405_11.9C03.C4.o1.gs	Method	GENSCAN
Start	80	End	546
GI	none	Score	.41
Exons	80..546		

Seq. No.	23414	Seq. ID	OJ990405_11.9C03.C4
Gene No.	48770	Strand	-
Start	1	End	605
Name	OJ990405_11.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	104	End	340
GI	none	Score	64
Exons	104..340, 120..221		

Seq. No.	23414	Seq. ID	OJ990405_11.9C03.C4
Gene No.	48770	Strand	-
Start	1	End	605
Name	OJ990405_11.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	113	End	532
GI	none	Score	113
Exons	113..532, 126..329, 372..458		

Seq. No.	23414	Seq. ID	OJ990405_11.9C03.C4
Gene No.	48770	Strand	-
Start	1	End	605
Name	OJ990405_11.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	422	End	602
GI	none	Score	124
Exons	422..601, 423..602		

Seq. No.	23415	Seq. ID	OJ990405_11.9C03.C5
Gene No.	48771	Strand	-
Start	1	End	576
Name	OJ990405_11.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	576
GI	5902445	Score	781
Exons	1..576		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23415	Seq. ID	OJ990405_11.9C03.C5
Gene No.	48771	Strand	-
Start	1	End	576
Name	OJ990405_11.9C03.C5.o1.gs	Method	GENSCAN
Start	39	End	521
GI	none	Score	.59
Exons	39..521		

Seq. No.	23415	Seq. ID	OJ990405_11.9C03.C5
Gene No.	48771	Strand	-
Start	1	End	576
Name	OJ990405_11.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	141	End	482
GI	none	Score	81
Exons	141..308, 347..472, 348..479, 348..482		

Seq. No.	23416	Seq. ID	OJ990405_11.9C03.C6
Gene No.	48772	Strand	-
Start	1	End	312
Name	OJ990405_11.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	312
GI	769721	Score	288
Exons	1..312		
GI Descrip.	(D32052) ORF483 [Oryza sativa]		

Seq. No.	23417	Seq. ID	OJ990405_11.9C03.C8
Gene No.	48773	Strand	+
Start	14	End	369
Name	OJ990405_11.9C03.C8.o1.gs	Method	GENSCAN
Start	14	End	369
GI	none	Score	.58
Exons	14..19, 119..369		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48774	Strand	+
Start	1	End	2629
Name	OJ990405_11.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	2629
GI	4584355	Score	110
Exons	1..33, 2427..2629		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48775	Strand	+
Start	5485	End	14643
Name	OJ990405_11.9C03.C12.o3.np	Method	AAT/NAP
Start	5485	End	14643
GI	4680207	Score	.928

Exons 5485..5524, 8589..9433, 10897..11965, 14617..14643
 GI Descrip. (AF114171) disease resistance protein RPM1 homolog [Sorghum
 bicolor]

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48775	Strand	+
Start	5485	End	14643
Name	OJ990405_11.9C03.C12.o3.gs	Method	GENSCAN
Start	8655	End	12844
GI	none	Score	.66
Exons	8655..9433, 10255..10431, 11020..11150, 11286..12844		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48775	Strand	+
Start	5485	End	14643
Name	OJ990405_11.9C03.C12.o4.np	Method	AAT/NAP
Start	11521	End	14196
GI	4680207	Score	131
Exons	11521..11640, 13769..14196		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48775	Strand	+
Start	5485	End	14643
Name	OJ990405_11.9C03.C12.o5.np	Method	AAT/NAP
Start	14201	End	14293
GI	5852084	Score	77
Exons	14201..14293		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48776	Strand	-
Start	2302	End	7968
Name	OJ990405_11.9C03.C12.o2.np	Method	AAT/NAP
Start	2302	End	4844
GI	5732064	Score	304
Exons	2302..2320, 4049..4844		
GI Descrip.	(AF147263) contains similarity to transposases [Arabidopsis thaliana]		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48776	Strand	-
Start	2302	End	7968
Name	OJ990405_11.9C03.C12.o2.gs	Method	GENSCAN
Start	4636	End	7968
GI	none	Score	.67
Exons	4636..4913, 5108..5172, 6069..6174, 6627..7088, 7362..7968		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48777	Strand	-
Start	16462	End	16577
Name	OJ990405_11.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	2942	End	3297
GI	none	Score	71
Exons	2942..3214, 3002..3211, 3247..3297		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48777	Strand	-
Start	16462	End	16577
Name	OJ990405_11.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	4154	End	4755
GI	none	Score	70
Exons	4154..4351, 4396..4599, 4657..4755		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48777	Strand	-
Start	16462	End	16577
Name	OJ990405_11.9C03.C12.o3.tm	Method	TBLASTX:Maize
Start	9060	End	9347
GI	none	Score	96
Exons	9060..9161, 9063..9158, 9189..9347, 9212..9346		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48777	Strand	-
Start	16462	End	16577
Name	OJ990405_11.9C03.C12.o2.tw	Method	TBLASTX:Wheat
Start	10826	End	11032
GI	none	Score	187
Exons	10826..11032, 10826..10921, 10828..11031		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48777	Strand	-
Start	16462	End	16577
Name	OJ990405_11.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	10853	End	11542
GI	none	Score	110
Exons	10853..11035, 11041..11130, 11042..11356, 11052..11357, 11090..11356, 11378..11446, 11462..11542		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48777	Strand	-
Start	16462	End	16577
Name	OJ990405_11.9C03.C12.o4.tm	Method	TBLASTX:Maize
Start	11141	End	11371
GI	none	Score	204
Exons	11141..11371, 11155..11370		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48777	Strand	-
Start	16462	End	16577
Name	OJ990405_11.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	11249	End	11530
GI	none	Score	134
Exons	11249..11377, 11266..11364, 11384..11431, 11456..11530		

Seq. No.	23418	Seq. ID	OJ990405_11.9C03.C12
Gene No.	48777	Strand	-
Start	16462	End	16577
Name	OJ990405_11.9C03.C12.o5.gs	Method	GENSCAN
Start	16462	End	16577
GI	none	Score	.94
Exons	16462..16577		

Seq. No.	23419	Seq. ID	OJ990405_11.9C03.C13
Gene No.	48778	Strand	+
Start	3042	End	5119
Name	OJ990405_11.9C03.C13.o2.gs	Method	GENSCAN
Start	3042	End	5119
GI	none	Score	.45
Exons	3042..3075, 3297..3461, 4632..5119		

Seq. No.	23419	Seq. ID	OJ990405_11.9C03.C13
Gene No.	48779	Strand	+
Start	7857	End	8603
Name	OJ990405_11.9C03.C13.o1.np	Method	AAT/NAP
Start	7857	End	8603
GI	4680207	Score	215
Exons	7857..8603		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	23420	Seq. ID	OJ990405_11.9C03.C14
Gene No.	48780	Strand	+
Start	1	End	4582
Name	OJ990405_11.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	4582
GI	4680207	Score	520
Exons	1..75, 2735..4582		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	23420	Seq. ID	OJ990405_11.9C03.C14
Gene No.	48781	Strand	-
Start	10087	End	11004
Name	OJ990405_11.9C03.C14.o2.gs	Method	GENSCAN
Start	10087	End	11004
GI	none	Score	.64
Exons	10087..10263, 10378..11004		

Seq. No.	23420	Seq. ID	OJ990405_11.9C03.C14
Gene No.	48782	Strand	-
Start	12012	End	12544
Name	OJ990405_11.9C03.C14.o1.ts	Method	TBLASTX:Soybean
Start	2733	End	3386
GI	none	Score	80
Exons	2733..2879, 2915..2977, 2928..2981, 2949..3212, 3116..3208, 3234..3386		

Seq. No.	23420	Seq. ID	OJ990405_11.9C03.C14
Gene No.	48782	Strand	-
Start	12012	End	12544
Name	OJ990405_11.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	2928	End	3395
GI	none	Score	71
Exons	2928..2981, 2931..2987, 3081..3212, 3093..3206, 3216..3395		

Seq. No.	23420	Seq. ID	OJ990405_11.9C03.C14
Gene No.	48782	Strand	-
Start	12012	End	12544
Name	OJ990405_11.9C03.C14.o1.tw	Method	TBLASTX:Wheat

Start 3105
GI none
Exons 3105..3233, 3240..3398

End 3398
Score 121

Seq. No. 23420
Gene No. 48782
Start 12012
Name OJ990405_11.9C03.C14.o3.gs
Start 12012
GI none
Exons 12012..12123, 12129..12544

Seq. ID OJ990405_11.9C03.C14
Strand -
End 12544
Method GENSCAN
End 12544
Score .5

Seq. No. 23421
Gene No. 48783
Start 463
Name OJ990405_11.9C03.C16.o1.gs
Start 463
GI none
Exons 463..539, 2085..2204, 3825..3938, 3985..4119, 4871..4957, 5706..5796, 6533..6634, 7044..7110, 7243..7608, 8834..9013, 9054..9101, 9486..9559

Seq. ID OJ990405_11.9C03.C16
Strand +
End 9559
Method GENSCAN
End 9559
Score .52

Seq. No. 23421
Gene No. 48784
Start 6261
Name OJ990405_11.9C03.C16.o1.np
Start 6261
GI 6907086
Exons 6261..6646, 6872..7097, 7161..7943
GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. ID OJ990405_11.9C03.C16
Strand -
End 7943
Method AAT/NAP
End 7943
Score 1166

Seq. No. 23421
Gene No. 48785
Start 8650
Name OJ990405_11.9C03.C16.o2.np
Start 8650
GI 4680186
Exons 8650..9065, 9545..9627
GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. ID OJ990405_11.9C03.C16
Strand -
End 9627
Method AAT/NAP
End 9627
Score 200

Seq. No. 23422
Gene No. 48786
Start 384
Name OJ990405_11.9C03.C17.o1.gs
Start 384
GI none
Exons 384..457

Seq. ID OJ990405_11.9C03.C17
Strand +
End 457
Method GENSCAN
End 457
Score .99

Seq. No. 23423
Gene No. 48787
Start 1
Name OJ990405_11.9C03.C18.o1.np
Start 1
GI 4680207
Exons 1..526
GI Descrip. (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]

Seq. ID OJ990405_11.9C03.C18
Strand -
End 526
Method AAT/NAP
End 526
Score 280

Seq. No.	23423	Seq. ID	OJ990405_11.9C03.C18
Gene No.	48787	Strand	-
Start	1	End	526
Name	OJ990405_11.9C03.C18.o1.gs	Method	GENSCAN
Start	23	End	506
GI	none	Score	.51
Exons	23..506		
Seq. No.	23424	Seq. ID	OJ990405_11.9C03.C19
Gene No.	48788	Strand	+
Start	750	End	917
Name	OJ990405_11.9C03.C19.o1.gp	Method	AAT/GAP
Start	750	End	917
GI	5816559	Score	242
Exons	750..917		
GI Descrip.	4680178/gb AF111709.1 AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		
Seq. No.	23424	Seq. ID	OJ990405_11.9C03.C19
Gene No.	48789	Strand	-
Start	1	End	622
Name	OJ990405_11.9C03.C19.o1.np	Method	AAT/NAP
Start	1	End	622
GI	5902444	Score	836
Exons	1..622		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	23424	Seq. ID	OJ990405_11.9C03.C19
Gene No.	48789	Strand	-
Start	1	End	622
Name	OJ990405_11.9C03.C19.o1.gs	Method	GENSCAN
Start	120	End	622
GI	none	Score	.63
Exons	120..622		
Seq. No.	23425	Seq. ID	OJ990405_11.9C03.C21
Gene No.	48790	Strand	-
Start	42	End	3373
Name	OJ990405_11.9C03.C21.o1.gs	Method	GENSCAN
Start	42	End	3373
GI	none	Score	.53
Exons	42..202, 837..1908, 1935..1991, 2081..2130, 2377..2458, 2633..3373		
Seq. No.	23425	Seq. ID	OJ990405_11.9C03.C21
Gene No.	48790	Strand	-
Start	42	End	3373
Name	OJ990405_11.9C03.C21.o3.tm	Method	TBLASTX:Maize
Start	247	End	570
GI	none	Score	159
Exons	247..570, 269..523, 367..525, 414..557		
Seq. No.	23425	Seq. ID	OJ990405_11.9C03.C21
Gene No.	48790	Strand	-
Start	42	End	3373

Name	OJ990405_11.9C03.C21.o2.tm	Method	TBLASTX:Maize
Start	767	End	1083
GI	none	Score	151
Exons	767..988, 769..993, 775..1014, 1003..1083		
Seq. No.	23425	Seq. ID	OJ990405_11.9C03.C21
Gene No.	48790	Strand	-
Start	42	End	3373
Name	OJ990405_11.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	1177	End	1680
GI	none	Score	89
Exons	1177..1215, 1202..1276, 1210..1272, 1291..1548, 1292..1546, 1576..1614, 1600..1680		
Seq. No.	23426	Seq. ID	OJ990405_11.9C03.C22
Gene No.	48791	Strand	-
Start	285	End	2294
Name	OJ990405_11.9C03.C22.o2.tm	Method	TBLASTX:Maize
Start	282	End	392
GI	none	Score	123
Exons	282..392, 282..392		
Seq. No.	23426	Seq. ID	OJ990405_11.9C03.C22
Gene No.	48791	Strand	-
Start	285	End	2294
Name	OJ990405_11.9C03.C22.o1.np	Method	AAT/NAP
Start	285	End	2294
GI	6017106	Score	369
Exons	285..898, 2252..2294		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23426	Seq. ID	OJ990405_11.9C03.C22
Gene No.	48791	Strand	-
Start	285	End	2294
Name	OJ990405_11.9C03.C22.o1.gs	Method	GENSCAN
Start	286	End	941
GI	none	Score	.48
Exons	286..941		
Seq. No.	23426	Seq. ID	OJ990405_11.9C03.C22
Gene No.	48791	Strand	-
Start	285	End	2294
Name	OJ990405_11.9C03.C22.o1.tm	Method	TBLASTX:Maize
Start	393	End	896
GI	none	Score	81
Exons	393..470, 393..473, 461..541, 474..521, 537..617, 559..888, 595..828, 603..896, 672..896		
Seq. No.	23426	Seq. ID	OJ990405_11.9C03.C22
Gene No.	48791	Strand	-
Start	285	End	2294
Name	OJ990405_11.9C03.C22.o1.tc	Method	TBLASTX:Cress
Start	622	End	896
GI	none	Score	174
Exons	622..825, 627..896, 672..884		
Seq. No.	23426	Seq. ID	OJ990405_11.9C03.C22

Gene No.	48791	Strand	-
Start	285	End	2294
Name	OJ990405_11.9C03.C22.o1.ts	Method	TBLASTX:Soybean
Start	640	End	896
GI	none	Score	168
Exons	640..828, 642..896, 672..884, 737..886		
Seq. No.	23427	Seq. ID	OJ990405_11.9C03.C23
Gene No.	48792	Strand	+
Start	1330	End	2040
Name	OJ990405_11.9C03.C23.o1.gs	Method	GENSCAN
Start	1330	End	2040
GI	none	Score	.65
Exons	1330..2040		
Seq. No.	23427	Seq. ID	OJ990405_11.9C03.C23
Gene No.	48793	Strand	-
Start	2596	End	5120
Name	OJ990405_11.9C03.C23.o1.np	Method	AAT/NAP
Start	2596	End	4718
GI	6017106	Score	138
Exons	2596..2656, 4284..4718		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23427	Seq. ID	OJ990405_11.9C03.C23
Gene No.	48793	Strand	-
Start	2596	End	5120
Name	OJ990405_11.9C03.C23.o2.gs	Method	GENSCAN
Start	4042	End	5120
GI	none	Score	.73
Exons	4042..4126, 4276..4807, 5048..5120		
Seq. No.	23427	Seq. ID	OJ990405_11.9C03.C23
Gene No.	48794	Strand	-
Start	7242	End	7769
Name	OJ990405_11.9C03.C23.o3.gs	Method	GENSCAN
Start	7242	End	7769
GI	none	Score	.94
Exons	7242..7769		
Seq. No.	23428	Seq. ID	OJ990405_11.9C03.C24
Gene No.	48795	Strand	+
Start	1	End	923
Name	OJ990405_11.9C03.C24.o1.np	Method	AAT/NAP
Start	1	End	923
GI	6630699	Score	96
Exons	1..60, 846..923		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	23428	Seq. ID	OJ990405_11.9C03.C24
Gene No.	48796	Strand	+
Start	1517	End	3257
Name	OJ990405_11.9C03.C24.o1.gs	Method	GENSCAN
Start	1517	End	3257
GI	none	Score	.68

Exons 1517..1634, 2240..2319, 2669..2738, 2803..3257

Seq. No.	23428	Seq. ID	OJ990405_11.9C03.C24
Gene No.	48797	Strand	+
Start	3542	End	4886
Name	OJ990405_11.9C03.C24.o3.np	Method	AAT/NAP
Start	3542	End	4886
GI	6630699	Score	99
Exons	3542..3560, 4800..4886		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	23428	Seq. ID	OJ990405_11.9C03.C24
Gene No.	48798	Strand	-
Start	1062	End	4748
Name	OJ990405_11.9C03.C24.o2.np	Method	AAT/NAP
Start	1062	End	4748
GI	5922620	Score	410
Exons	1062..1198, 1914..1994, 2515..2791, 3047..3256, 4703..4748		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23428	Seq. ID	OJ990405_11.9C03.C24
Gene No.	48798	Strand	-
Start	1062	End	4748
Name	OJ990405_11.9C03.C24.o2.gs	Method	GENSCAN
Start	4593	End	4748
GI	none	Score	.9
Exons	4593..4748		

Seq. No.	23428	Seq. ID	OJ990405_11.9C03.C24
Gene No.	48799	Strand	-
Start	5025	End	5668
Name	OJ990405_11.9C03.C24.o4.np	Method	AAT/NAP
Start	5025	End	5668
GI	5922620	Score	164
Exons	5025..5206, 5550..5668		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23429	Seq. ID	OJ990405_11.9C03.C25
Gene No.	48800	Strand	+
Start	618	End	1049
Name	OJ990405_11.9C03.C25.o1.gs	Method	GENSCAN
Start	618	End	1049
GI	none	Score	.98
Exons	618..1049		

Seq. No.	23430	Seq. ID	OJ990405_11.9C03.C26
Gene No.	48801	Strand	+

Start	119	End	534
Name	OJ990405_11.9C03.C26.o1.gp	Method	AAT/GAP
Start	119	End	534
GI	none	Score	819
Exons	119..534		
Seq. No.	23430	Seq. ID	OJ990405_11.9C03.C26
Gene No.	48802	Strand	+
Start	959	End	1406
Name	OJ990405_11.9C03.C26.o2.gp	Method	AAT/GAP
Start	959	End	1406
GI	LIB3432-059-P1-K1-D8	Score	729
Exons	959..1406		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	23431	Seq. ID	OJ990405_11.9C03.C27
Gene No.	48803	Strand	-
Start	1055	End	1663
Name	OJ990405_11.9C03.C27.o1.gs	Method	GENSCAN
Start	1055	End	1663
GI	none	Score	.54
Exons	1055..1090, 1243..1306, 1386..1430, 1462..1663		
Seq. No.	23432	Seq. ID	OJ990405_11.9C03.C30
Gene No.	48804	Strand	+
Start	204	End	285
Name	OJ990405_11.9C03.C30.o1.gp	Method	AAT/GAP
Start	204	End	285
GI	uC-osflcyp033a04b1	Score	148
Exons	204..285		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	23432	Seq. ID	OJ990405_11.9C03.C30
Gene No.	48805	Strand	-
Start	108	End	285
Name	OJ990405_11.9C03.C30.o1.gs	Method	GENSCAN
Start	108	End	244
GI	none	Score	.99
Exons	108..244		
Seq. No.	23432	Seq. ID	OJ990405_11.9C03.C30
Gene No.	48805	Strand	-
Start	108	End	285
Name	OJ990405_11.9C03.C30.o1.np	Method	AAT/NAP
Start	133	End	285
GI	4680186	Score	133
Exons	133..285		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	23433	Seq. ID	OJ990405_11.9C03.C31
Gene No.	48806	Strand	+
Start	339	End	674
Name	OJ990405_11.9C03.C31.o1.gs	Method	GENSCAN
Start	339	End	674
GI	none	Score	.57

Exons 339..674

Seq. No.	23434	Seq. ID	OJ990405_11.9C03.C34
Gene No.	48807	Strand	-
Start	845	End	1016
Name	OJ990405_11.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	842	End	1015
GI	none	Score	202
Exons	842..1015, 842..1015		

Seq. No.	23434	Seq. ID	OJ990405_11.9C03.C34
Gene No.	48807	Strand	-
Start	845	End	1016
Name	OJ990405_11.9C03.C34.o1.np	Method	AAT/NAP
Start	845	End	1016
GI	6017106	Score	75
Exons	845..1016		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23434	Seq. ID	OJ990405_11.9C03.C34
Gene No.	48807	Strand	-
Start	845	End	1016
Name	OJ990405_11.9C03.C34.o1.gs	Method	GENSCAN
Start	846	End	1000
GI	none	Score	.64
Exons	846..1000		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48808	Strand	+
Start	4622	End	5206
Name	OJ990405_11.9C03.C37.o2.gs	Method	GENSCAN
Start	4622	End	5206
GI	none	Score	.58
Exons	4622..4624, 5015..5206		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48809	Strand	+
Start	9630	End	17192
Name	OJ990405_11.9C03.C37.o3.np	Method	AAT/NAP
Start	9630	End	16285
GI	6176571	Score	453
Exons	9630..9735, 16019..16285		
GI Descrip.	HYPOTHETICAL 14.9 KD PROTEIN YCF72 (ORF137) gi 82519 pir JQ0269 hypothetical 15K protein (trnH-trnV intergenic region) - rice chloroplast gi 12029 emb CAA33937 (X15901) ORF137 [Oryza sativa] gi 12073 emb CAA33925 (X15901) ORF137 [Oryza sativa] gi 226651 prf 1603356CB ORF 137 [Oryza sativa]		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48809	Strand	+
Start	9630	End	17192
Name	OJ990405_11.9C03.C37.o5.gs	Method	GENSCAN
Start	13124	End	17192
GI	none	Score	.7
Exons	13124..13141, 16034..16204, 16407..16499, 16620..16715, 16746..16865, 16932..17192		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48810	Strand	-
Start	3388	End	13393
Name	OJ990405_11.9C03.C37.o1.np	Method	AAT/NAP
Start	3388	End	9788
GI	4680183	Score	4724
Exons	3388..3533, 6291..6682, 6770..6812, 7308..9788		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48810	Strand	-
Start	3388	End	13393
Name	OJ990405_11.9C03.C37.o3.gs	Method	GENSCAN
Start	5916	End	9788
GI	none	Score	.93
Exons	5916..6759, 6856..9788		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48810	Strand	-
Start	3388	End	13393
Name	OJ990405_11.9C03.C37.o2.np	Method	AAT/NAP
Start	9553	End	13393
GI	4539301	Score	647
Exons	9553..9692, 10783..11900, 13245..13393		
GI Descrip.	(AL049480) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48810	Strand	-
Start	3388	End	13393
Name	OJ990405_11.9C03.C37.o4.gs	Method	GENSCAN
Start	10548	End	12080
GI	none	Score	1
Exons	10548..12080		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o3.ts	Method	TBLASTX:Soybean
Start	5892	End	6212
GI	none	Score	84
Exons	5892..6149, 5892..6212, 6022..6165		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o3.tw	Method	TBLASTX:Wheat
Start	5892	End	6260
GI	none	Score	229
Exons	5892..6260, 5893..6216		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o6.tm	Method	TBLASTX:Maize
Start	5934	End	6317
GI	none	Score	160
Exons	5934..6317, 5965..6213		

Seq. No. 23435
Gene No. 48811
Start 17795
Name OJ990405_11.9C03.C37.o5.tm
Start 6345
GI none
Exons 6345..6701, 6355..6660

Seq. ID OJ990405_11.9C03.C37
Strand -
End 20273
Method TBLASTX:Maize
End 6701
Score 219

Seq. No. 23435
Gene No. 48811
Start 17795
Name OJ990405_11.9C03.C37.o1.tw
Start 6375
GI none
Exons 6375..6830, 6376..6831

Seq. ID OJ990405_11.9C03.C37
Strand -
End 20273
Method TBLASTX:Wheat
End 6831
Score 262

Seq. No. 23435
Gene No. 48811
Start 17795
Name OJ990405_11.9C03.C37.o4.ts
Start 6426
GI none
Exons 6426..6560, 6567..6791

Seq. ID OJ990405_11.9C03.C37
Strand -
End 20273
Method TBLASTX:Soybean
End 6791
Score 136

Seq. No. 23435
Gene No. 48811
Start 17795
Name OJ990405_11.9C03.C37.o4.tw
Start 7051
GI none
Exons 7051..7287, 7053..7283, 7332..7508

Seq. ID OJ990405_11.9C03.C37
Strand -
End 20273
Method TBLASTX:Wheat
End 7508
Score 150

Seq. No. 23435
Gene No. 48811
Start 17795
Name OJ990405_11.9C03.C37.o5.tw
Start 8085
GI none
Exons 8085..8486, 8218..8487

Seq. ID OJ990405_11.9C03.C37
Strand -
End 20273
Method TBLASTX:Wheat
End 8487
Score 112

Seq. No. 23435
Gene No. 48811
Start 17795
Name OJ990405_11.9C03.C37.o3.tm
Start 10554
GI none
Exons 10554..10658, 10713..11144, 10766..10969, 10770..11084

Seq. ID OJ990405_11.9C03.C37
Strand -
End 20273
Method TBLASTX:Maize
End 11144
Score 112

Seq. No. 23435
Gene No. 48811
Start 17795
Name OJ990405_11.9C03.C37.o1.tc
Start 10725
GI none
Exons 10725..11054, 10849..11043

Seq. ID OJ990405_11.9C03.C37
Strand -
End 20273
Method TBLASTX:Cress
End 11054
Score 115

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o1.ts	Method	TBLASTX:Soybean
Start	10761	End	12068
GI	none	Score	214
Exons	10761..11147, 10767..11075, 11193..11498, 11286..11492, 11505..11723, 11721..12068		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o6.tw	Method	TBLASTX:Wheat
Start	10833	End	11054
GI	none	Score	143
Exons	10833..11033, 10833..11054, 10852..11043		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o4.tm	Method	TBLASTX:Maize
Start	11193	End	11564
GI	none	Score	57
Exons	11193..11498, 11194..11253, 11286..11498, 11287..11499, 11517..11564		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o1.tm	Method	TBLASTX:Maize
Start	15982	End	16636
GI	none	Score	251
Exons	15982..16449, 16018..16218, 16022..16636, 16022..16627		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o2.ts	Method	TBLASTX:Soybean
Start	15982	End	16641
GI	none	Score	81
Exons	15982..16104, 16018..16065, 16022..16069, 16037..16219, 16037..16360, 16137..16235, 16221..16319, 16312..16356, 16313..16354, 16314..16355, 16356..16535, 16357..16533, 16358..16585, 16539..16616, 16540..16641, 16541..16615		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o2.tc	Method	TBLASTX:Cress
Start	15982	End	16285
GI	none	Score	185
Exons	15982..16200, 16018..16200, 16022..16204, 16022..16285, 16137..16205		

Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273

Name	OJ990405_11.9C03.C37.o2.tw	Method	TBLASTX:Wheat
Start	16018	End	16253
GI	none	Score	242
Exons	16018..16221, 16022..16252, 16022..16252, 16137..16253		
Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o4.np	Method	AAT/NAP
Start	17777	End	20273
GI	2130141	Score	1661
Exons	17777..18042, 18199..18250, 18332..19929, 20005..20273		
GI Descrip.	mudrA protein - maize transposon MuDR gi 540581 (M76978) mudrA [Zea mays] gi 595816 (U14597) mudrA gene product [Zea mays]		
Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o6.gs	Method	GENSCAN
Start	17795	End	18919
GI	none	Score	.4
Exons	17795..18050, 18138..18250, 18425..18919		
Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o8.tm	Method	TBLASTX:Maize
Start	18140	End	18637
GI	none	Score	117
Exons	18140..18208, 18327..18422, 18347..18427, 18437..18637, 18483..18635		
Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o2.tm	Method	TBLASTX:Maize
Start	18705	End	19482
GI	none	Score	74
Exons	18705..18764, 18710..18760, 18777..18971, 18779..18961, 18819..18971, 18971..19135, 18972..19076, 18973..19149, 19109..19210, 19144..19212, 19210..19482, 19220..19474, 19225..19482		
Seq. No.	23435	Seq. ID	OJ990405_11.9C03.C37
Gene No.	48811	Strand	-
Start	17795	End	20273
Name	OJ990405_11.9C03.C37.o7.tm	Method	TBLASTX:Maize
Start	19534	End	19929
GI	none	Score	104
Exons	19534..19860, 19535..19738, 19657..19929		
Seq. No.	23436	Seq. ID	OJ990405_11.9C03.C38
Gene No.	48812	Strand	+
Start	1	End	379
Name	OJ990405_11.9C03.C38.o1.np	Method	AAT/NAP
Start	1	End	379
GI	4680179	Score	580

Exons 1..379
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	23436	Seq. ID	OJ990405_11.9C03.C38
Gene No.	48812	Strand	+
Start	1	End	379
Name	OJ990405_11.9C03.C38.o2.tw	Method	TBLASTX:Wheat
Start	1	End	121
GI	none	Score	203
Exons	1..120, 2..121		

Seq. No.	23436	Seq. ID	OJ990405_11.9C03.C38
Gene No.	48812	Strand	+
Start	1	End	379
Name	OJ990405_11.9C03.C38.o1.ts	Method	TBLASTX:Soybean
Start	7	End	211
GI	none	Score	258
Exons	7..210, 8..211		

Seq. No.	23436	Seq. ID	OJ990405_11.9C03.C38
Gene No.	48812	Strand	+
Start	1	End	379
Name	OJ990405_11.9C03.C38.o1.tm	Method	TBLASTX:Maize
Start	9	End	301
GI	none	Score	91
Exons	9..170, 10..297, 11..301		

Seq. No.	23436	Seq. ID	OJ990405_11.9C03.C38
Gene No.	48812	Strand	+
Start	1	End	379
Name	OJ990405_11.9C03.C38.o1.gs	Method	GENSCAN
Start	104	End	253
GI	none	Score	.9
Exons	104..253		

Seq. No.	23436	Seq. ID	OJ990405_11.9C03.C38
Gene No.	48812	Strand	+
Start	1	End	379
Name	OJ990405_11.9C03.C38.o1.tw	Method	TBLASTX:Wheat
Start	122	End	379
GI	none	Score	275
Exons	122..379, 139..378		

Seq. No.	23437	Seq. ID	OJ990405_11.9C03.C39
Gene No.	48813	Strand	-
Start	1	End	1355
Name	OJ990405_11.9C03.C39.o1.np	Method	AAT/NAP
Start	1	End	1355
GI	5042463	Score	170
Exons	1..35, 89..172, 225..380, 1044..1355		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	23438	Seq. ID	OJ990405_11.9C03.C40
Gene No.	48814	Strand	-
Start	69	End	1061
Name	OJ990405_11.9C03.C40.o1.gs	Method	GENSCAN
Start	69	End	1061

GI	none	Score	.94
Exons	69..162, 730..1061		
Seq. No.	23438	Seq. ID	OJ990405_11.9C03.C40
Gene No.	48815	Strand	-
Start	1265	End	8789
Name	OJ990405_11.9C03.C40.o2.gs	Method	GENSCAN
Start	1265	End	8503
GI	none	Score	.87
Exons	1265..3254, 6262..6390, 7692..8503		

Seq. No.	23438	Seq. ID	OJ990405_11.9C03.C40
Gene No.	48815	Strand	-
Start	1265	End	8789
Name	OJ990405_11.9C03.C40.o1.np	Method	AAT/NAP
Start	1370	End	8789
GI	4680207	Score	709
Exons	1370..3170, 7692..8497, 8747..8789		
GI Descrip'	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	23438	Seq. ID	OJ990405_11.9C03.C40
Gene No.	48815	Strand	-
Start	1265	End	8789
Name	OJ990405_11.9C03.C40.o1.ts	Method	TBLASTX:Soybean
Start	2483	End	3214
GI	none	Score	51
Exons	2483..2677, 2699..2839, 2699..2962, 2930..3001, 2934..2984, 3032..3214		

Seq. No.	23438	Seq. ID	OJ990405_11.9C03.C40
Gene No.	48815	Strand	-
Start	1265	End	8789
Name	OJ990405_11.9C03.C40.o1.tw	Method	TBLASTX:Wheat
Start	2513	End	2806
GI	none	Score	114
Exons	2513..2671, 2678..2806		

Seq. No.	23438	Seq. ID	OJ990405_11.9C03.C40
Gene No.	48815	Strand	-
Start	1265	End	8789
Name	OJ990405_11.9C03.C40.o1.tm	Method	TBLASTX:Maize
Start	2516	End	2989
GI	none	Score	72
Exons	2516..2695, 2699..2830, 2924..2989		

Seq. No.	23439	Seq. ID	OJ990405_11.9C03.C41
Gene No.	48816	Strand	+
Start	209	End	296
Name	OJ990405_11.9C03.C41.o1.gs	Method	GENSCAN
Start	209	End	296
GI	none	Score	.55
Exons	209..296		

Seq. No.	23439	Seq. ID	OJ990405_11.9C03.C41
Gene No.	48817	Strand	-
Start	2210	End	5142

Name	OJ990405_11.9C03.C41.o2.gs	Method	GENSCAN
Start	2210	End	5142
GI	none	Score	.71
Exons	2210..2473, 2533..2620, 2994..3166, 4952..5080, 5092..5142		
Seq. No.	23440	Seq. ID	OJ990405_11.9C03.C42
Gene No.	48818	Strand	-
Start	422	End	646
Name	OJ990405_11.9C03.C42.o2.gs	Method	GENSCAN
Start	422	End	646
GI	none	Score	.82
Exons	422..646		
Seq. No.	23441	Seq. ID	OJ990405_11.9C03.C43
Gene No.	48819	Strand	+
Start	100	End	636
Name	OJ990405_11.9C03.C43.o1.gs	Method	GENSCAN
Start	100	End	636
GI	none	Score	.96
Exons	100..636		
Seq. No.	23442	Seq. ID	OJ990405_11.9C03.C45
Gene No.	48820	Strand	+
Start	114	End	209
Name	OJ990405_11.9C03.C45.o1.gs	Method	GENSCAN
Start	114	End	209
GI	none	Score	.9
Exons	114..209		
Seq. No.	23443	Seq. ID	OJ990405_11.9C03.C48
Gene No.	48821	Strand	-
Start	1	End	523
Name	OJ990405_11.9C03.C48.o1.np	Method	AAT/NAP
Start	1	End	523
GI	4680183	Score	491
Exons	1..523		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	23443	Seq. ID	OJ990405_11.9C03.C48
Gene No.	48821	Strand	-
Start	1	End	523
Name	OJ990405_11.9C03.C48.o1.gs	Method	GENSCAN
Start	15	End	322
GI	none	Score	.89
Exons	15..322		
Seq. No.	23443	Seq. ID	OJ990405_11.9C03.C48
Gene No.	48821	Strand	-
Start	1	End	523
Name	OJ990405_11.9C03.C48.o1.tw	Method	TBLASTX:Wheat
Start	35	End	313
GI	none	Score	200
Exons	35..313		
Seq. No.	23444	Seq. ID	OJ990615_14.9C03.C7
Gene No.	48822	Strand	+
Start	381	End	847

Name OJ990615_14.9C03.C7.o1.gs
 Start 381
 GI none
 Exons 381..564, 761..847

Method GENSCAN
 End 847
 Score .74

Seq. No. 23445
 Gene No. 48823
 Start 101
 Name OJ990615_14.9C03.C8.o1.gs
 Start 101
 GI none
 Exons 101..185

Seq. ID OJ990615_14.9C03.C8
 Strand +
 End 185
 Method GENSCAN
 End 185
 Score .75

Seq. No. 23446
 Gene No. 48824
 Start 1
 Name OJ990615_14.9C03.C9.o1.np
 Start 1
 GI 6630699
 Exons 1..26, 579..656
 GI Descrip. (AP000969) hypothetical protein [Oryza sativa]

Seq. ID OJ990615_14.9C03.C9
 Strand +
 End 656
 Method AAT/NAP
 End 656
 Score 80

gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No. 23446
 Gene No. 48825
 Start 2830
 Name OJ990615_14.9C03.C9.o2.gs
 Start 2830
 GI none
 Exons 2830..3126, 3630..4199

Seq. ID OJ990615_14.9C03.C9
 Strand +
 End 4199
 Method GENSCAN
 End 4199
 Score .53

Seq. No. 23447
 Gene No. 48826
 Start 1617
 Name OJ990615_14.9C03.C10.o1.gs
 Start 1617
 GI none
 Exons 1617..1815, 2067..2571, 2863..3015, 3581..3601, 3852..3935, 5108..7773, 8676..8796

Seq. ID OJ990615_14.9C03.C10
 Strand +
 End 8796
 Method GENSCAN
 End 8796
 Score .59

Seq. No. 23447
 Gene No. 48826
 Start 1617
 Name OJ990615_14.9C03.C10.o1.tw
 Start 5483
 GI none
 Exons 5483..5812, 5510..5884, 5554..5676, 5585..5956, 5729..5971, 6251..6400, 7223..7318, 7325..7426, 7337..7414, 7499..7741

Seq. ID OJ990615_14.9C03.C10
 Strand +
 End 8796
 Method TBLASTX:Wheat
 End 7741
 Score 161

Seq. No. 23447
 Gene No. 48826
 Start 1617
 Name OJ990615_14.9C03.C10.o1.tm
 Start 6508
 GI none
 Exons 6508..6759, 6509..6760, 6596..6760

Seq. ID OJ990615_14.9C03.C10
 Strand +
 End 8796
 Method TBLASTX:Maize
 End 6760
 Score 221

Seq. No.	23448	Seq. ID	OJ990615_14.9C03.C11
Gene No.	48827	Strand	+
Start	470	End	3696
Name	OJ990615_14.9C03.C11.o1.np	Method	AAT/NAP
Start	470	End	3696
GI	5852093	Score	70
Exons	470..496, 1850..1957, 3657..3696		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	23449	Seq. ID	OJ990615_14.9C03.C12
Gene No.	48828	Strand	+
Start	479	End	1525
Name	OJ990615_14.9C03.C12.o1.gp	Method	AAT/GAP
Start	479	End	773
GI	2311065	Score	447
Exons	479..773		

Seq. No.	23449	Seq. ID	OJ990615_14.9C03.C12
Gene No.	48828	Strand	+
Start	479	End	1525
Name	OJ990615_14.9C03.C12.o1.np	Method	AAT/NAP
Start	561	End	1525
GI	4733981	Score	226
Exons	561..810, 1479..1525		
GI Descrip.	(AC007268) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	23449	Seq. ID	OJ990615_14.9C03.C12
Gene No.	48829	Strand	-
Start	668	End	956
Name	OJ990615_14.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	605	End	809
GI	none	Score	37
Exons	605..628, 634..666, 636..809, 638..724, 705..749, 782..808		

Seq. No.	23449	Seq. ID	OJ990615_14.9C03.C12
Gene No.	48829	Strand	-
Start	668	End	956
Name	OJ990615_14.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	615	End	809
GI	none	Score	235
Exons	615..749, 636..809		

Seq. No.	23449	Seq. ID	OJ990615_14.9C03.C12
Gene No.	48829	Strand	-
Start	668	End	956
Name	OJ990615_14.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	653	End	956
GI	none	Score	195
Exons	653..721, 654..809, 654..956		

Seq. No.	23449	Seq. ID	OJ990615_14.9C03.C12
Gene No.	48829	Strand	-
Start	668	End	956
Name	OJ990615_14.9C03.C12.o2.gp	Method	AAT/GAP
Start	668	End	829

GI 61952_1.R1084 Score 227
 Exons 668..829
 GI Descrip. '4733981/gb|AAD28662.1|AC007268_1 5.0e-35 (AC007268) putative serine carboxypeptidase [Arabidopsis thaliana]'

Seq. No. 23450 Seq. ID OJ990615_14.9C03.C15
 Gene No. 48830 Strand +
 Start 50 End 111
 Name OJ990615_14.9C03.C15.o1.gs Method GENSCAN
 Start 50 End 111
 GI none Score .78
 Exons 50..111

Seq. No. 23451 Seq. ID OJ990615_14.9C03.C16
 Gene No. 48831 Strand -
 Start 151 End 1540
 Name OJ990615_14.9C03.C16.o1.gp Method AAT/GAP
 Start 151 End 750
 GI 17099_1.R1084 Score 1046
 Exons 151..750
 GI Descrip. '5915836/sp|P93531|C7D7_SOLCH 3.0e-46 CYTOCHROME P450 71D7
 >gi_1762144 (U48435) putative cytochrome P450 [Solanum
 chacoense]'

Seq. No. 23451 Seq. ID OJ990615_14.9C03.C16
 Gene No. 48831 Strand -
 Start 151 End 1540
 Name OJ990615_14.9C03.C16.o1.ts Method TBLASTX:Soybean
 Start 198 End 1417
 GI none Score 36
 Exons 198..269, 300..629, 300..671, 301..678, 697..888, 700..888,
 711..896, 1352..1417

Seq. No. 23451 Seq. ID OJ990615_14.9C03.C16
 Gene No. 48831 Strand -
 Start 151 End 1540
 Name OJ990615_14.9C03.C16.o1.gs Method GENSCAN
 Start 273 End 1474
 GI none Score .74
 Exons 273..899, 1353..1474

Seq. No. 23451 Seq. ID OJ990615_14.9C03.C16
 Gene No. 48831 Strand -
 Start 151 End 1540
 Name OJ990615_14.9C03.C16.o1.tw Method TBLASTX:Wheat
 Start 275 End 576
 GI none Score 101
 Exons 275..523, 278..508, 294..563, 294..563, 298..576

Seq. No. 23451 Seq. ID OJ990615_14.9C03.C16
 Gene No. 48831 Strand -
 Start 151 End 1540
 Name OJ990615_14.9C03.C16.o1.np Method AAT/NAP
 Start 288 End 1540
 GI 5915837 Score 704
 Exons 288..899, 1352..1540
 GI Descrip. CYTOCHROME P450 71D8 (P450 CP7) gi|3334667|emb|CAA71517|

(Y10493) putative cytochrome P450 [Glycine max]

Seq. No.	23451	Seq. ID	OJ990615_14.9C03.C16
Gene No.	48831	Strand	-
Start	151	End	1540
Name	OJ990615_14.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	291	End	899
GI	none	Score	228
Exons	291..899, 385..720		
Seq. No.	23451	Seq. ID	OJ990615_14.9C03.C16
Gene No.	48831	Strand	-
Start	151	End	1540
Name	OJ990615_14.9C03.C16.o1.tc	Method	TBLASTX:Cress
Start	300	End	896
GI	none	Score	307
Exons	300..671, 307..888, 711..896		
Seq. No.	23451	Seq. ID	OJ990615_14.9C03.C16
Gene No.	48831	Strand	-
Start	151	End	1540
Name	OJ990615_14.9C03.C16.o2.tw	Method	TBLASTX:Wheat
Start	591	End	1444
GI	none	Score	136
Exons	591..899, 592..720, 769..900, 772..906, 1364..1444, 1364..1417		
Seq. No.	23452	Seq. ID	OJ990615_14.9C03.C20
Gene No.	48832	Strand	+
Start	378	End	575
Name	OJ990615_14.9C03.C20.o1.gs	Method	GENSCAN
Start	378	End	575
GI	none	Score	.58
Exons	378..575		
Seq. No.	23453	Seq. ID	OJ990615_14.9C03.C23
Gene No.	48833	Strand	+
Start	2404	End	2903
Name	OJ990615_14.9C03.C23.o1.np	Method	AAT/NAP
Start	2404	End	2903
GI	103076	Score	104
Exons	2404..2514, 2696..2903		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		
Seq. No.	23453	Seq. ID	OJ990615_14.9C03.C23
Gene No.	48834	Strand	-
Start	2947	End	3202
Name	OJ990615_14.9C03.C23.o1.gs	Method	GENSCAN
Start	2947	End	3126
GI	none	Score	.81
Exons	2947..3126		
Seq. No.	23453	Seq. ID	OJ990615_14.9C03.C23
Gene No.	48834	Strand	-
Start	2947	End	3202
Name	OJ990615_14.9C03.C23.o2.np	Method	AAT/NAP
Start	2999	End	3202

GI 4680184 Score 71
 Exons 2999..3202
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 23454 Seq. ID OJ990615_14.9C03.C24
 Gene No. 48835 Strand -
 Start 1 End 5188
 Name OJ990615_14.9C03.C24.o1.np Method AAT/NAP
 Start 1 End 946
 GI 4680184 Score 398
 Exons 1..291, 467..855, 892..946
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 23454 Seq. ID OJ990615_14.9C03.C24
 Gene No. 48835 Strand -
 Start 1 End 5188
 Name OJ990615_14.9C03.C24.o2.np Method AAT/NAP
 Start 531 End 4969
 GI 4680186 Score 295
 Exons 531..572, 2159..2337, 2840..3007, 4935..4969
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 23454 Seq. ID OJ990615_14.9C03.C24
 Gene No. 48835 Strand -
 Start 1 End 5188
 Name OJ990615_14.9C03.C24.o3.np Method AAT/NAP
 Start 4132 End 5188
 GI 6227011 Score 209
 Exons 4132..4464, 4495..4670, 5140..5188
 GI Descrip. (AC009513) F12P19.3 [Arabidopsis thaliana]

Seq. No. 23455 Seq. ID OJ990615_14.9C03.C27
 Gene No. 48836 Strand +
 Start 227 End 715
 Name OJ990615_14.9C03.C27.o1.gs Method GENSCAN
 Start 227 End 715
 GI none Score .72
 Exons 227..238, 623..715

Seq. No. 23456 Seq. ID OJ990615_14.9C03.C30
 Gene No. 48837 Strand +
 Start 1 End 550
 Name OJ990615_14.9C03.C30.o1.np Method AAT/NAP
 Start 1 End 550
 GI 1076755 Score 151
 Exons 1..265, 361..550
 GI Descrip. protein kinase - rice gi|450300 (L27821) protein kinase [Oryza sativa]

Seq. No. 23456 Seq. ID OJ990615_14.9C03.C30
 Gene No. 48837 Strand +
 Start 1 End 550
 Name OJ990615_14.9C03.C30.o1.gp Method AAT/GAP
 Start 69 End 512
 GI 70165_1.R1084 Score 528
 Exons 69..265, 361..512
 GI Descrip. '5734727/gb|AAD49992.1|AC007259_5 5.0e-25 (AC007259) Very

similar to receptor-like protein kinases [Arabidopsis thaliana]'

Seq. No.	23456	Seq. ID	OJ990615_14.9C03.C30
Gene No.	48837	Strand	+
Start	1	End	550
Name	OJ990615_14.9C03.C30.o1.tm	Method	TBLASTX:Maize
Start	69	End	457
GI	none	Score	179
Exons	69..251, 69..227, 71..250, 364..456, 365..457		

Seq. No.	23456	Seq. ID	OJ990615_14.9C03.C30
Gene No.	48837	Strand	+
Start	1	End	550
Name	OJ990615_14.9C03.C30.o1.ts	Method	TBLASTX:Soybean
Start	69	End	469
GI	none	Score	161
Exons	69..266, 365..469		

Seq. No.	23456	Seq. ID	OJ990615_14.9C03.C30
Gene No.	48837	Strand	+
Start	1	End	550
Name	OJ990615_14.9C03.C30.o1.tw	Method	TBLASTX:Wheat
Start	71	End	478
GI	none	Score	142
Exons	71..265, 72..266, 365..478		

Seq. No.	23456	Seq. ID	OJ990615_14.9C03.C30
Gene No.	48837	Strand	+
Start	1	End	550
Name	OJ990615_14.9C03.C30.o1.gs	Method	GENSCAN
Start	120	End	517
GI	none	Score	.72
Exons	120..265, 361..517		

Seq. No.	23457	Seq. ID	OJ990615_14.9C03.C31
Gene No.	48838	Strand	-
Start	115	End	223
Name	OJ990615_14.9C03.C31.o1.gp	Method	AAT/GAP
Start	115	End	223
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	115..223		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23457	Seq. ID	OJ990615_14.9C03.C31
Gene No.	48839	Strand	-
Start	1488	End	1576
Name	OJ990615_14.9C03.C31.o1.gs	Method	GENSCAN
Start	1488	End	1576
GI	none	Score	.99
Exons	1488..1576		

Seq. No.	23458	Seq. ID	OJ990615_14.9C03.C32
Gene No.	48840	Strand	+
Start	147	End	508
Name	OJ990615_14.9C03.C32.o1.gs	Method	GENSCAN

Start	147	End	508
GI	none	Score	.75
Exons	147..245, 347..508		
Seq. No.	23459	Seq. ID	OJ990615_14.9C03.C33
Gene No.	48841	Strand	-
Start	1	End	674
Name	OJ990615_14.9C03.C33.o1.np	Method	AAT/NAP
Start	1	End	674
GI	6453853	Score	216
Exons	1..48, 162..311, 406..674		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		
Seq. No.	23459	Seq. ID	OJ990615_14.9C03.C33
Gene No.	48841	Strand	-
Start	1	End	674
Name	OJ990615_14.9C03.C33.o1.tc	Method	TBLASTX:Gress
Start	162	End	507
GI	none	Score	85
Exons	162..314, 169..300, 174..317, 177..230, 397..480, 403..507, 419..505		
Seq. No.	23459	Seq. ID	OJ990615_14.9C03.C33
Gene No.	48841	Strand	-
Start	1	End	674
Name	OJ990615_14.9C03.C33.o1.ts	Method	TBLASTX:Soybean
Start	162	End	540
GI	none	Score	82
Exons	162..314, 169..297, 177..230, 397..540, 403..540		
Seq. No.	23459	Seq. ID	OJ990615_14.9C03.C33
Gene No.	48841	Strand	-
Start	1	End	674
Name	OJ990615_14.9C03.C33.o1.tm	Method	TBLASTX:Maize
Start	177	End	552
GI	none	Score	100
Exons	177..284, 177..230, 198..314, 199..309, 243..278, 403..552, 419..505		
Seq. No.	23460	Seq. ID	OJ990615_14.9C03.C39
Gene No.	48842	Strand	-
Start	21	End	167
Name	OJ990615_14.9C03.C39.o1.gs	Method	GENSCAN
Start	21	End	167
GI	none	Score	.83
Exons	21..167		
Seq. No.	23461	Seq. ID	OJ990615_14.9C03.C43
Gene No.	48843	Strand	-
Start	1	End	1251
Name	OJ990615_14.9C03.C43.o1.np	Method	AAT/NAP
Start	1	End	1251
GI	6453853	Score	423
Exons	1..267, 362..508, 627..949, 1162..1251		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	23461	Seq. ID	OJ990615_14.9C03.C43
Gene No.	48843	Strand	-
Start	1	End	1251
Name	OJ990615_14.9C03.C43.o1.ts	Method	TBLASTX:Soybean
Start	118	End	496
GI	none	Score	82
Exons	118..270, 125..253, 133..186,		353..496, 359..496

Seq. No.	23461	Seq. ID	OJ990615_14.9C03.C43
Gene No.	48843	Strand	-
Start	1	End	1251
Name	OJ990615_14.9C03.C43.o1.tc	Method	TBLASTX:Cress
Start	133	End	842
GI	none	Score	39
Exons	133..240, 368..508, 595..669,		627..677, 690..842, 697..840

Seq. No.	23461	Seq. ID	OJ990615_14.9C03.C43
Gene No.	48843	Strand	-
Start	1	End	1251
Name	OJ990615_14.9C03.C43.o1.tm	Method	TBLASTX:Maize
Start	133	End	842
GI	none	Score	100
Exons	133..240, 133..186, 154..270,		155..265, 199..234, 359..508,
	375..461, 595..669, 627..677,		690..842, 697..840

Seq. No.	23461	Seq. ID	OJ990615_14.9C03.C43
Gene No.	48843	Strand	-
Start	1	End	1251
Name	OJ990615_14.9C03.C43.o1.gs	Method	GENSCAN
Start	615	End	937
GI	none	Score	.86
Exons	615..937		

Seq. No.	23461	Seq. ID	OJ990615_14.9C03.C43
Gene No.	48843	Strand	-
Start	1	End	1251
Name	OJ990615_14.9C03.C43.o2.ts	Method	TBLASTX:Soybean
Start	627	End	950
GI	none	Score	76
Exons	627..677, 690..848, 729..830,		834..950

Seq. No.	23462	Seq. ID	OJ990615_14.9C03.C45
Gene No.	48844	Strand	+
Start	188	End	336
Name	OJ990615_14.9C03.C45.o1.gs	Method	GENSCAN
Start	188	End	336
GI	none	Score	.76
Exons	188..336		

Seq. No.	23463	Seq. ID	OJ990615_14.9C03.C46
Gene No.	48845	Strand	+
Start	156	End	347
Name	OJ990615_14.9C03.C46.o1.gs	Method	GENSCAN
Start	156	End	347
GI	none	Score	.72
Exons	156..347		

Seq. No.	23464	Seq. ID	OJ990615_14.9C03.C47
Gene No.	48846	Strand	-
Start	1	End	325
Name	OJ990615_14.9C03.C47.o1.np	Method	AAT/NAP
Start	1	End	325
GI	5915841	Score	131
Exons	1..325		
GI Descrip.	CYTOCHROME P450 71E1 gi 2766452 (AF029858) cytochrome P450 CYP71E1 [Sorghum bicolor]		

Seq. No.	23464	Seq. ID	OJ990615_14.9C03.C47
Gene No.	48846	Strand	-
Start	1	End	325
Name	OJ990615_14.9C03.C47.o1.gs	Method	GENSCAN
Start	56	End	298
GI	none	Score	.45
Exons	56..298		

Seq. No.	23465	Seq. ID	OJ990615_14.9C03.C48
Gene No.	48847	Strand	+
Start	1	End	1235
Name	OJ990615_14.9C03.C48.o1.np	Method	AAT/NAP
Start	1	End	1235
GI	2792220	Score	351
Exons	1..931, 1204..1235		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	23465	Seq. ID	OJ990615_14.9C03.C48
Gene No.	48847	Strand	+
Start	1	End	1235
Name	OJ990615_14.9C03.C48.o1.gs	Method	GENSCAN
Start	14	End	691
GI	none	Score	.9
Exons	14..691		

Seq. No.	23466	Seq. ID	OJ990615_14.9C03.C52
Gene No.	48848	Strand	+
Start	403	End	511
Name	OJ990615_14.9C03.C52.o1.gs	Method	GENSCAN
Start	403	End	511
GI	none	Score	.88
Exons	403..511		

Seq. No.	23467	Seq. ID	OJ990615_14.9C03.C53
Gene No.	48849	Strand	-
Start	222	End	824
Name	OJ990615_14.9C03.C53.o1.gs	Method	GENSCAN
Start	222	End	824
GI	none	Score	.83
Exons	222..405, 546..573, 792..824		

Seq. No.	23468	Seq. ID	OJ990615_14.9C03.C55
Gene No.	48850	Strand	+
Start	19	End	84
Name	OJ990615_14.9C03.C55.o1.gs	Method	GENSCAN
Start	19	End	84

GI	none	Score	1
Exons	19..84		
Seq. No.	23469	Seq. ID	OJ990615_14.9C03.C56
Gene No.	48851	Strand	+
Start	84	End	165
Name	OJ990615_14.9C03.C56.o1.gs	Method	GENSCAN
Start	84	End	165
GI	none	Score	.92
Exons	84..165		
Seq. No.	23470	Seq. ID	OJ990615_14.9C03.C57
Gene No.	48852	Strand	-
Start	712	End	820
Name	OJ990615_14.9C03.C57.o1.gs	Method	GENSCAN
Start	712	End	820
GI	none	Score	.86
Exons	712..820		
Seq. No.	23471	Seq. ID	OJ990615_14.9C03.C58
Gene No.	48853	Strand	+
Start	4047	End	6098
Name	OJ990615_14.9C03.C58.o2.gs	Method	GENSCAN
Start	4047	End	4974
GI	none	Score	.59
Exons	4047..4619, 4624..4974		
Seq. No.	23471	Seq. ID	OJ990615_14.9C03.C58
Gene No.	48853	Strand	+
Start	4047	End	6098
Name	OJ990615_14.9C03.C58.o3.np	Method	AAT/NAP
Start	4793	End	6098
GI	6815099	Score	78
Exons	4793..4828, 5981..6098		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	23471	Seq. ID	OJ990615_14.9C03.C58
Gene No.	48854	Strand	-
Start	221	End	5283
Name	OJ990615_14.9C03.C58.o1.gs	Method	GENSCAN
Start	221	End	3546
GI	none	Score	.84
Exons	221..276, 399..599, 1365..1550, 1655..1805, 1877..2105, 2220..2481, 2757..2897, 3436..3546		
Seq. No.	23471	Seq. ID	OJ990615_14.9C03.C58
Gene No.	48854	Strand	-
Start	221	End	5283
Name	OJ990615_14.9C03.C58.o1.np	Method	AAT/NAP
Start	965	End	5283
GI	4008010	Score	244
Exons	965..1090, 1377..1497, 1594..1805, 1874..2148, 2320..2481, 2757..2839, 5246..5283		
GI Descrip.	(AF084036) receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	23471	Seq. ID	OJ990615_14.9C03.C58
Gene No.	48854	Strand	-

Start	221	End	5283
Name	OJ990615_14.9C03.C58.o1.tm	Method	TBLASTX:Maize
Start	1386	End	2103
GI	none	Score	80
Exons	1386..1481, 1709..1804, 1710..1808, 1891..2097, 1892..2089, 1960..2103		

Seq. No.	23471	Seq. ID	OJ990615_14.9C03.C58
Gene No.	48854	Strand	-
Start	221	End	5283
Name	OJ990615_14.9C03.C58.o1.ts	Method	TBLASTX:Soybean
Start	1658	End	2484
GI	none	Score	42
Exons	1658..1825, 1879..2091, 2305..2409, 2440..2484		

Seq. No.	23471	Seq. ID	OJ990615_14.9C03.C58
Gene No.	48854	Strand	-
Start	221	End	5283
Name	OJ990615_14.9C03.C58.o1.tw	Method	TBLASTX:Wheat
Start	1703	End	2091
GI	none	Score	59
Exons	1703..1804, 1710..1808, 1876..2091, 1880..2089		

Seq. No.	23471	Seq. ID	OJ990615_14.9C03.C58
Gene No.	48854	Strand	-
Start	221	End	5283
Name	OJ990615_14.9C03.C58.o1.tc	Method	TBLASTX:Cress
Start	1709	End	2415
GI	none	Score	49
Exons	1709..1825, 1710..1853, 1876..2091, 1880..1999, 1900..2106, 2305..2415		

Seq. No.	23471	Seq. ID	OJ990615_14.9C03.C58
Gene No.	48854	Strand	-
Start	221	End	5283
Name	OJ990615_14.9C03.C58.o2.tw	Method	TBLASTX:Wheat
Start	2224	End	2846
GI	none	Score	104
Exons	2224..2424, 2227..2424, 2751..2846		

Seq. No.	23472	Seq. ID	OJ990615_14.9C03.C59
Gene No.	48855	Strand	-
Start	198	End	618
Name	OJ990615_14.9C03.C59.o1.gs	Method	GENSCAN
Start	198	End	618
GI	none	Score	.51
Exons	198..618		

Seq. No.	23473	Seq. ID	OJ990615_14.9C03.C60
Gene No.	48856	Strand	+
Start	229	End	1324
Name	OJ990615_14.9C03.C60.o1.gs	Method	GENSCAN
Start	229	End	1324
GI	none	Score	.42
Exons	229..411, 1202..1324		

Seq. No.	23473	Seq. ID	OJ990615_14.9C03.C60
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Gene No.	48857	Strand	-
Start	2562	End	3116
Name	OJ990615_14.9C03.C60.o2.gs	Method	GENSCAN
Start	2562	End	3116
GI	none	Score	.87
Exons	2562..3116		

Seq. No.	23474	Seq. ID	OJ990615_14.9C03.C61
Gene No.	48858	Strand	+
Start	8284	End	8870
Name	OJ990615_14.9C03.C61.o2.gs	Method	GENSCAN
Start	8284	End	8870
GI	none	Score	.62
Exons	8284..8385, 8631..8870		

Seq. No.	23474	Seq. ID	OJ990615_14.9C03.C61
Gene No.	48859	Strand	-
Start	7	End	5970
Name	OJ990615_14.9C03.C61.o1.gs	Method	GENSCAN
Start	7	End	5970
GI	none	Score	.56
Exons	7..184, 391..503, 813..1013, 1850..2042, 2854..3059, 3453..3599, 3719..3924, 4687..4866, 4871..4956, 5215..5750, 5965..5970		

Seq. No.	23474	Seq. ID	OJ990615_14.9C03.C61
Gene No.	48860	Strand	-
Start	7684	End	17849
Name	OJ990615_14.9C03.C61.o1.tc	Method	TBLASTX:Cress
Start	669	End	11515
GI	none	Score	81
Exons	669..722, 824..868, 11136..11324, 11179..11307, 11411..11515, 11412..11513		

Seq. No.	23474	Seq. ID	OJ990615_14.9C03.C61
Gene No.	48860	Strand	-
Start	7684	End	17849
Name	OJ990615_14.9C03.C61.o1.tm	Method	TBLASTX:Maize
Start	669	End	11833
GI	none	Score	84
Exons	669..722, 821..868, 11178..11240, 11187..11294, 11208..11324, 11209..11319, 11238..11330, 11240..11392, 11253..11288, 11411..11557, 11456..11551, 11650..11700, 11657..11695, 11713..11832, 11720..11833		

Seq. No.	23474	Seq. ID	OJ990615_14.9C03.C61
Gene No.	48860	Strand	-
Start	7684	End	17849
Name	OJ990615_14.9C03.C61.o1.ts	Method	TBLASTX:Soybean
Start	669	End	11548
GI	none	Score	79
Exons	669..722, 824..868, 11136..11324, 11179..11310, 11405..11548, 11411..11548		

Seq. No.	23474	Seq. ID	OJ990615_14.9C03.C61
Gene No.	48860	Strand	-
Start	7684	End	17849
Name	OJ990615_14.9C03.C61.o1.np	Method	AAT/NAP

Start 7684 End 12115
 GI 6453853 Score 446
 Exons 7684..7707, 10473..10572, 10987..11055, 11173..11321,
 11414..11560, 11650..12115
 GI Descrip. (AC011717) putative coatamer protein complex, subunit beta 2
 (beta prime) [Arabidopsis thaliana]

Seq. No. 23474 Seq. ID OJ990615_14.9C03.C61
 Gene No. 48860 Strand -
 Start 7684 End 17849
 Name OJ990615_14.9C03.C61.o3.gs Method GENSCAN
 Start 10497 End 17849
 GI none Score .89
 Exons 10497..10572, 10987..11055, 11173..11321, 11414..11545,
 11638..11966, 12200..12248, 14249..14303, 14867..14922,
 15045..15218, 15804..15989, 16187..16343, 16439..16667,
 17204..17462, 17748..17849

Seq. No. 23474 Seq. ID OJ990615_14.9C03.C61
 Gene No. 48860 Strand -
 Start 7684 End 17849
 Name OJ990615_14.9C03.C61.o2.np Method AAT/NAP
 Start 14382 End 17789
 GI 3461841 Score 194
 Exons 14382..14415, 14816..14873, 16219..16346, 16439..16667,
 17198..17256, 17305..17462, 17748..17789
 GI Descrip. (AC005315) putative receptor-like protein kinase [Arabidopsis
 thaliana]

Seq. No. 23474 Seq. ID OJ990615_14.9C03.C61
 Gene No. 48860 Strand -
 Start 7684 End 17849
 Name OJ990615_14.9C03.C61.o1.gp Method AAT/GAP
 Start 14857 End 15955
 GI 426526 Score 696
 Exons 14857..14922, 15045..15218, 15804..15955

Seq. No. 23474 Seq. ID OJ990615_14.9C03.C61
 Gene No. 48860 Strand -
 Start 7684 End 17849
 Name OJ990615_14.9C03.C61.o2.gp Method AAT/GAP
 Start 16192 End 16676
 GI 70165_1.R1084 Score 582
 Exons 16192..16343, 16439..16676
 GI Descrip. '5734727/gb|AAD49992.1|AC007259_5 5.0e-25 (AC007259) Very
 similar to receptor-like protein kinases [Arabidopsis thaliana]'

Seq. No. 23474 Seq. ID OJ990615_14.9C03.C61
 Gene No. 48860 Strand -
 Start 7684 End 17849
 Name OJ990615_14.9C03.C61.o1.tw Method TBLASTX:Wheat
 Start 16226 End 16653
 GI none Score 96
 Exons 16226..16339, 16438..16653, 16439..16651

Seq. No. 23474 Seq. ID OJ990615_14.9C03.C61
 Gene No. 48860 Strand -

Start	7684	End	17849
Name	OJ990615_14.9C03.C61.o2.ts	Method	TBLASTX:Soybean
Start	16235	End	17843
GI	none	Score	83
Exons	16235..16339, 16438..16680, 17748..17843		

Seq. No.	23474	Seq. ID	OJ990615_14.9C03.C61
Gene No.	48860	Strand	-
Start	7684	End	17849
Name	OJ990615_14.9C03.C61.o2.tc	Method	TBLASTX:Cress
Start	16247	End	17807
GI	none	Score	63
Exons	16247..16339, 16438..16683, 16439..16561, 17316..17450, 17748..17807		

Seq. No.	23474	Seq. ID	OJ990615_14.9C03.C61
Gene No.	48860	Strand	-
Start	7684	End	17849
Name	OJ990615_14.9C03.C61.o2.tm	Method	TBLASTX:Maize
Start	16247	End	16653
GI	none	Score	73
Exons	16247..16339, 16248..16340, 16453..16653, 16454..16651		

Seq. No.	23474	Seq. ID	OJ990615_14.9C03.C61
Gene No.	48860	Strand	-
Start	7684	End	17849
Name	OJ990615_14.9C03.C61.o2.tw	Method	TBLASTX:Wheat
Start	17208	End	17825
GI	none	Score	117
Exons	17208..17447, 17218..17448, 17742..17825		

Seq. No.	23475	Seq. ID	OJ990615_14.9C03.C62
Gene No.	48861	Strand	-
Start	1	End	14006
Name	OJ990615_14.9C03.C62.o1.np	Method	AAT/NAP
Start	1	End	3409
GI	6453853	Score	448
Exons	1..18, 1952..2010, 2409..2477, 2591..2739, 2834..2980, 3099..3409		
GI Descrip.	(AC011717) putative coatamer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	23475	Seq. ID	OJ990615_14.9C03.C62
Gene No.	48861	Strand	-
Start	1	End	14006
Name	OJ990615_14.9C03.C62.o1.gs	Method	GENSCAN
Start	1209	End	12824
GI	none	Score	.79
Exons	1209..1502, 1952..2010, 2409..2477, 2591..2739, 3087..3409, 5068..5084, 5644..5699, 5821..5988, 6871..7056, 7228..7378, 7474..7702, 8236..8491, 8752..8816, 9872..9919, 11949..12004, 12404..12498, 12765..12824		

Seq. No.	23475	Seq. ID	OJ990615_14.9C03.C62
Gene No.	48861	Strand	-
Start	1	End	14006
Name	OJ990615_14.9C03.C62.o1.gp	Method	AAT/GAP

Start 1617
 GI 2317314
 Exons 1617..2010, 2409..2487

End 2487
 Score 756

Seq. No. 23475
 Gene No. 48861
 Start 1
 Name OJ990615_14.9C03.C62.o1.tc
 Start 2408
 GI none
 Exons 2408..2479, 2590..2742, 2597..2728, 2602..2745, 2825..2908, 2831..2935, 2847..2933

Seq. ID OJ990615_14.9C03.C62
 Strand -
 End 14006
 Method TBLASTX:Cress
 End 2935
 Score 85

Seq. No. 23475
 Gene No. 48861
 Start 1
 Name OJ990615_14.9C03.C62.o1.ts
 Start 2590
 GI none
 Exons 2590..2742, 2597..2725, 2825..2968, 2831..2968

Seq. ID OJ990615_14.9C03.C62
 Strand -
 End 14006
 Method TBLASTX:Soybean
 End 2968
 Score 82

Seq. No. 23475
 Gene No. 48861
 Start 1
 Name OJ990615_14.9C03.C62.o1.tm
 Start 2605
 GI none
 Exons 2605..2712, 2605..2658, 2626..2742, 2627..2737, 2671..2706, 2831..2980, 2847..2933, 3067..3141, 3099..3149, 3162..3314, 3169..3312

Seq. ID OJ990615_14.9C03.C62
 Strand -
 End 14006
 Method TBLASTX:Maize
 End 3314
 Score 100

Seq. No. 23475
 Gene No. 48861
 Start 1
 Name OJ990615_14.9C03.C62.o2.np
 Start 5140
 GI 4522003
 Exons 5140..5162, 7281..7378, 7474..7687, 8213..8292, 8341..8491, 8752..8851, 13952..14006
 GI Descrip. (AC007069) putative receptor-like protein kinase [Arabidopsis thaliana]

Seq. ID OJ990615_14.9C03.C62
 Strand -
 End 14006
 Method AAT/NAP
 End 14006
 Score 201

Seq. No. 23475
 Gene No. 48861
 Start 1
 Name OJ990615_14.9C03.C62.o2.gp
 Start 7233
 GI 70165_1.R1084
 Exons 7233..7378, 7474..7702, 8236..8339
 GI Descrip. '5734727/gb|AAD49992.1|AC007259_5 5.0e-25 (AC007259) Very similar to receptor-like protein kinases [Arabidopsis thaliana]'

Seq. ID OJ990615_14.9C03.C62
 Strand -
 End 14006
 Method AAT/GAP
 End 8339
 Score 910

Seq. No. 23475
 Gene No. 48861
 Start 1
 Name OJ990615_14.9C03.C62.o1.tw
 Start 7282

Seq. ID OJ990615_14.9C03.C62
 Strand -
 End 14006
 Method TBLASTX:Wheat
 End 7688

GI	none	Score	104
Exons	7282..7374, 7473..7688, 7477..7686		
Seq. No.	23475	Seq. ID	OJ990615_14.9C03.C62
Gene No.	48861	Strand	-
Start	1	End	14006
Name	OJ990615_14.9C03.C62.o2.ts	Method	TBLASTX:Soybean
Start	7282	End	8835
GI	none	Score	72
Exons	7282..7374, 7476..7688, 7477..7599, 8752..8835		
Seq. No.	23475	Seq. ID	OJ990615_14.9C03.C62
Gene No.	48861	Strand	-
Start	1	End	14006
Name	OJ990615_14.9C03.C62.o2.tm	Method	TBLASTX:Maize
Start	7524	End	8287
GI	none	Score	161
Exons	7524..7718, 7528..7686, 7529..7753, 7530..7715, 8189..8287		
Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48862	Strand	+
Start	867	End	3413
Name	OJ990615_14.9C03.C63.o1.np	Method	AAT/NAP
Start	867	End	3410
GI	5739323	Score	1685
Exons	867..1398, 1474..3410		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		
Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48862	Strand	+
Start	867	End	3413
Name	OJ990615_14.9C03.C63.o1.gs	Method	GENSCAN
Start	952	End	3413
GI	none	Score	.9
Exons	952..3413		
Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48863	Strand	+
Start	6932	End	9669
Name	OJ990615_14.9C03.C63.o3.gs	Method	GENSCAN
Start	6932	End	8344
GI	none	Score	.97
Exons	6932..8344		
Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48863	Strand	+
Start	6932	End	9669
Name	OJ990615_14.9C03.C63.o2.np	Method	AAT/NAP
Start	6964	End	9669
GI	5541680	Score	670
Exons	6964..8364, 9637..9669		
GI Descrip.	(AL096859) putative protein [Arabidopsis thaliana]		
Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48864	Strand	-
Start	4278	End	6656

Name	OJ990615_14.9C03.C63.o2.gs	Method	GENSCAN
Start	4278	End	6656
GI	none	Score	.52
Exons	4278..4394, 4419..4592, 4649..4719, 4847..5102, 5431..5765, 5824..6129, 6647..6656		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o4.tc	Method	TBLASTX:Cress
Start	1179	End	3074
GI	none	Score	109
Exons	1179..1463, 1185..1457, 1197..1457, 1248..1451, 1248..1457, 1248..1457, 1272..1463, 1272..1427, 1287..1451, 1299..1451, 1698..1808, 1902..2024, 1929..2027, 1944..2027, 2037..2096, 2043..2132, 2046..2093, 2178..2363, 2241..2363, 2241..2507, 2253..2366, 2253..2363, 2253..2363, 2265..2669, 2361..2678, 2376..2669, 2799..2879, 2808..3002, 2811..3002, 2819..3073, 2820..3002, 2820..2879, 2822..3067, 2834..2941, 2835..3002, 2846..3073, 2919..3074		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o4.ts	Method	TBLASTX:Soybean
Start	1194	End	3120
GI	none	Score	108
Exons	1194..1451, 1209..1451, 1245..1451, 1263..1451, 1263..1451, 1263..1463, 1263..1448, 1332..1454, 1383..1457, 2037..2096, 2046..2096, 2085..2162, 2238..2321, 2244..2363, 2244..2417, 2259..2366, 2319..2648, 2373..2648, 2385..2651, 2448..2648, 2478..2675, 2811..3002, 2820..3002, 2820..3005, 2822..2926, 2825..3073, 2840..3091, 2919..3080, 3037..3120		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o5.tm	Method	TBLASTX:Maize
Start	1263	End	3123
GI	none	Score	97
Exons	1263..1451, 1263..1409, 2127..2159, 2244..2363, 2319..2363, 2376..2579, 2772..3002, 2813..3112, 2819..3094, 2890..3123, 3066..3119		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o1.tm	Method	TBLASTX:Maize
Start	6941	End	8395
GI	none	Score	95
Exons	6941..7171, 7184..7507, 7211..7513, 7231..7524, 7232..7537, 7291..7470, 7318..7509, 7403..7468, 7556..7633, 7571..7663, 7646..7873, 7658..7831, 7664..8065, 7667..8395, 7721..7861, 7789..8127, 8191..8283		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-

Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o3.tc		Method TBLASTX:Cress
Start	6965	End	7759
GI	none	Score	100
Exons	6965..7168, 6965..7174, 7036..7131, 7181..7528, 7235..7465, 7327..7497, 7565..7633, 7643..7759, 7643..7759		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o1.tw		Method TBLASTX:Wheat
Start	7184	End	7972
GI	none	Score	185
Exons	7184..7510, 7628..7972, 7789..7971, 7796..7915		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o1.ts		Method TBLASTX:Soybean
Start	7421	End	8071
GI	none	Score	76
Exons	7421..7513, 7670..7744, 7733..8071, 7733..8050, 7744..8070		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o2.tc		Method TBLASTX:Cress
Start	7760	End	8317
GI	none	Score	311
Exons	7760..8317, 7954..8271		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o4.gs		Method GENSCAN
Start	8845	End	12686
GI	none	Score	.89
Exons	8845..8865, 10904..11021, 11107..11199, 11452..11585, 11668..11946, 12032..12117, 12201..12293, 12385..12477, 12579..12686		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o1.gp		Method AAT/GAP
Start	10476	End	10969
GI	94255_1.R1084	Score	662
Exons	10476..10795, 10902..10969		
GI Descrip.	'4733981/gb AAD28662.1 AC007268_1 3.0e-15 (AC007268) putative serine carboxypeptidase [Arabidopsis thaliana]'		

Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o4.tm		Method TBLASTX:Maize
Start	10600	End	10926
GI	none	Score	166

Exons 10600..10764, 10601..10765, 10708..10800, 10768..10791,
10901..10924, 10903..10926

Seq. No. 23476 Seq. ID OJ990615_14.9C03.C63
Gene No. 48865 Strand -
Start 8845 End 13288
Name OJ990615_14.9C03.C63.o3.np Method AAT/NAP
Start 10626 End 13288
GI 4733981 Score 1165
Exons 10626..10794, 10901..11021, 11107..11199, 11452..11585,
11668..11946, 12032..12117, 12201..12293, 12385..12477,
12579..12735, 13267..13288
GI Descrip. (AC007268) putative serine carboxypeptidase II [Arabidopsis
thaliana]

Seq. No. 23476 Seq. ID OJ990615_14.9C03.C63
Gene No. 48865 Strand -
Start 8845 End 13288
Name OJ990615_14.9C03.C63.o3.ts Method TBLASTX:Soybean
Start 10636 End 10793
GI none Score 118
Exons 10636..10791, 10640..10792, 10652..10792, 10728..10793

Seq. No. 23476 Seq. ID OJ990615_14.9C03.C63
Gene No. 48865 Strand -
Start 8845 End 13288
Name OJ990615_14.9C03.C63.o1.tc Method TBLASTX:Cress
Start 10970 End 11838
GI none Score 65
Exons 10970..11026, 10974..11036, 10977..11033, 11108..11197,
11109..11198, 11109..11207, 11450..11581, 11454..11582,
11454..11582, 11455..11643, 11672..11836, 11672..11746,
11686..11838

Seq. No. 23476 Seq. ID OJ990615_14.9C03.C63
Gene No. 48865 Strand -
Start 8845 End 13288
Name OJ990615_14.9C03.C63.o2.ts Method TBLASTX:Soybean
Start 10982 End 12696
GI none Score 64
Exons 10982..11026, 11109..11207, 11451..11537, 11451..11576,
11830..11946, 12029..12121, 12190..12294, 12401..12478,
12583..12696

Seq. No. 23476 Seq. ID OJ990615_14.9C03.C63
Gene No. 48865 Strand -
Start 8845 End 13288
Name OJ990615_14.9C03.C63.o3.tm Method TBLASTX:Maize
Start 10982 End 12696
GI none Score 114
Exons 10982..11026, 11109..11210, 11943..11993, 12029..12121,
12190..12294, 12410..12478, 12420..12479, 12569..12688,
12580..12696

Seq. No. 23476 Seq. ID OJ990615_14.9C03.C63
Gene No. 48865 Strand -
Start 8845 End 13288

Name	OJ990615_14.9C03.C63.o2.tm	Method	TBLASTX:Maize
Start	11520	End	11887
GI	none	Score	62
Exons	11520..11582, 11521..11583, 11651..11887, 11686..11886		
Seq. No.	23476	Seq. ID	OJ990615_14.9C03.C63
Gene No.	48865	Strand	-
Start	8845	End	13288
Name	OJ990615_14.9C03.C63.o2.gp	Method	AAT/GAP
Start	12220	End	12708
GI	61952_1.R1084	Score	461
Exons	12220..12293, 12384..12477, 12579..12708		
GI Descrip.	'4733981/gb AAD28662.1 AC007268_1 5.0e-35 (AC007268) putative serine carboxypeptidase [Arabidopsis thaliana]'		
Seq. No.	23477	Seq. ID	OJ990615_14.9C03.C70
Gene No.	48866	Strand	-
Start	394	End	1492
Name	OJ990615_14.9C03.C70.o1.gp	Method	AAT/GAP
Start	394	End	1492
GI	426526	Score	692
Exons	394..459, 582..755, 1341..1492		
Seq. No.	23477	Seq. ID	OJ990615_14.9C03.C70
Gene No.	48866	Strand	-
Start	394	End	1492
Name	OJ990615_14.9C03.C70.o1.gs	Method	GENSCAN
Start	404	End	1421
GI	none	Score	.71
Exons	404..459, 582..755, 1341..1421		
Seq. No.	23478	Seq. ID	OJ990615_14.9C03.C72
Gene No.	48867	Strand	+
Start	34	End	410
Name	OJ990615_14.9C03.C72.o1.gs	Method	GENSCAN
Start	34	End	410
GI	none	Score	.86
Exons	34..187, 394..410		
Seq. No.	23479	Seq. ID	OJ990615_14.9C03.C78
Gene No.	48868	Strand	-
Start	27	End	452
Name	OJ990615_14.9C03.C78.o1.gs	Method	GENSCAN
Start	27	End	452
GI	none	Score	.95
Exons	27..452		
Seq. No.	23480	Seq. ID	OJ990615_14.9C03.C79
Gene No.	48869	Strand	-
Start	1395	End	2177
Name	OJ990615_14.9C03.C79.o1.np	Method	AAT/NAP
Start	698	End	2177
GI	6069646	Score	58
Exons	698..989, 2143..2177		
GI Descrip.	{AP000616} similar to putative reverse transcriptase {AC005315} [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence,		

putative non-LTR retroelement reverse transcriptase. (AC006248)
[Oryza sativa]

Seq. No.	23480	Seq. ID	OJ990615_14.9C03.C79
Gene No.	48869	Strand	-
Start	1395	End	2177
Name	OJ990615_14.9C03.C79.o1.tm	Method	TBLASTX:Maize
Start	1096	End	1363
GI	none	Score	86
Exons	1096..1248, 1100..1240, 1114..1242, 1250..1363, 1256..1363		

Seq. No.	23480	Seq. ID	OJ990615_14.9C03.C79
Gene No.	48869	Strand	-
Start	1395	End	2177
Name	OJ990615_14.9C03.C79.o1.gs	Method	GENSCAN
Start	1395	End	1613
GI	none	Score	.76
Exons	1395..1613		

Seq. No.	23481	Seq. ID	OJ990615_14.9C03.C80
Gene No.	48870	Strand	-
Start	1	End	1526
Name	OJ990615_14.9C03.C80.o1.np	Method	AAT/NAP
Start	1	End	1526
GI	6069646	Score	247
Exons	1..78, 997..1526		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23481	Seq. ID	OJ990615_14.9C03.C80
Gene No.	48870	Strand	-
Start	1	End	1526
Name	OJ990615_14.9C03.C80.o1.gs	Method	GENSCAN
Start	692	End	1089
GI	none	Score	.93
Exons	692..822, 1023..1089		

Seq. No.	23481	Seq. ID	OJ990615_14.9C03.C80
Gene No.	48870	Strand	-
Start	1	End	1526
Name	OJ990615_14.9C03.C80.o1.tm	Method	TBLASTX:Maize
Start	1081	End	1401
GI	none	Score	40
Exons	1081..1212, 1200..1400, 1201..1248, 1303..1401		

Seq. No.	23482	Seq. ID	OJ990615_14.9C03.C81
Gene No.	48871	Strand	-
Start	1	End	2124
Name	OJ990615_14.9C03.C81.o1.np	Method	AAT/NAP
Start	1	End	2124
GI	6069646	Score	169
Exons	1..443, 2060..2124		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to		

Arabidopsis thaliana chromosome II BAC F9013 genomic sequence;
putative non-LTR retroelement reverse transcriptase. (AC006248)
[Oryza sativa]

Seq. No.	23482	Seq. ID	OJ990615_14.9C03.C81
Gene No.	48871	Strand	-
Start	1	End	2124
Name	OJ990615_14.9C03.C81.o1.tm	Method	TBLASTX:Maize
Start	68	End	407
GI	none	Score	78
Exons	68..145, 118..333, 324..407		
Seq. No.	23483	Seq. ID	OJ990615_14.9C03.C83
Gene No.	48872	Strand	-
Start	1	End	430
Name	OJ990615_14.9C03.C83.o1.np	Method	AAT/NAP
Start	1	End	430
GI	3876927	Score	207
Exons	1..190, 281..430		
GI Descrip.	(Z68342) Similarity to Human Coatome beta' subunit (SW:COPP_HUMAN); cDNA EST EMBL:T00205 comes from this gene; cDNA EST EMBL:D33984 comes from this gene; cDNA EST EMBL:D36965 comes from this gene; cDNA EST EMBL:D67413 comes ...		
Seq. No.	23483	Seq. ID	OJ990615_14.9C03.C83
Gene No.	48872	Strand	-
Start	1	End	430
Name	OJ990615_14.9C03.C83.o2.np	Method	AAT/NAP
Start	1	End	430
GI	5902363	Score	206
Exons	1..190, 281..430		
GI Descrip.	(AC009322) Putative coatome protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		
Seq. No.	23483	Seq. ID	OJ990615_14.9C03.C83
Gene No.	48872	Strand	-
Start	1	End	430
Name	OJ990615_14.9C03.C83.o1.gs	Method	GENSCAN
Start	42	End	418
GI	none	Score	.9
Exons	42..108, 281..418		
Seq. No.	23484	Seq. ID	OJ990615_14.9C03.C84
Gene No.	48873	Strand	+
Start	1	End	78
Name	OJ990615_14.9C03.C84.o1.gp	Method	AAT/GAP
Start	1	End	78
GI	LIB3477-003-P1-K1-E9	Score	126
Exons	1..78		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)->gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	23485	Seq. ID	OJ990615_14.9C03.C85
Gene No.	48874	Strand	-
Start	1	End	814
Name	OJ990615_14.9C03.C85.o1.gp	Method	AAT/GAP

Start 1
GI 426526
Exons 1..77, 663..814

End 814
Score 426

Seq. No. 23486
Gene No. 48875
Start 250
Name OJ990615_14.9C03.C91.o1.gs
Start 250
GI none
Exons 250..284, 399..550

Seq. ID OJ990615_14.9C03.C91
Strand -
End 550
Method GENSCAN
End 550
Score .4

Seq. No. 23487
Gene No. 48876
Start 485
Name OJ990615_14.9C03.C93.o1.gs
Start 485
GI none
Exons 485..649

Seq. ID OJ990615_14.9C03.C93
Strand -
End 649
Method GENSCAN
End 649
Score .53

Seq. No. 23488
Gene No. 48877
Start 218
Name OJ990615_14.9C03.C94.o1.gs
Start 218
GI none
Exons 218..343

Seq. ID OJ990615_14.9C03.C94
Strand +
End 343
Method GENSCAN
End 343
Score .73

Seq. No. 23489
Gene No. 48878
Start 97
Name OJ990615_14.9C03.C95.o1.gs
Start 97
GI none
Exons 97..171, 525..563

Seq. ID OJ990615_14.9C03.C95
Strand -
End 563
Method GENSCAN
End 563
Score .65

Seq. No. 23490
Gene No. 48879
Start 1466
Name OJ990615_14.9C03.C97.o2.gs
Start 1466
GI none
Exons 1466..1565

Seq. ID OJ990615_14.9C03.C97
Strand -
End 1565
Method GENSCAN
End 1565
Score .61

Seq. No. 23491
Gene No. 48880
Start 907
Name OJ990615_14.9C03.C98.o1.gs
Start 907
GI none
Exons 907..1044

Seq. ID OJ990615_14.9C03.C98
Strand -
End 1044
Method GENSCAN
End 1044
Score .71

Seq. No. 23492
Gene No. 48881
Start 12
Name OJ990415_12.9C10.C1.o1.gs
Start 12

Seq. ID OJ990415_12.9C10.C1
Strand +
End 690
Method GENSCAN
End 690

GI	none	Score	.51
Exons	12..62, 565..690		
Seq. No.	23492	Seq. ID	OJ990415_12.9C10.C1
Gene No.	48882	Strand	-
Start	1	End	800
Name	OJ990415_12.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	800
GI	5852175	Score	66
Exons	1..59, 630..686, 758..800		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	23493	Seq. ID	OJ990415_12.9C10.C2
Gene No.	48883	Strand	+
Start	452	End	550
Name	OJ990415_12.9C10.C2.o1.gs	Method	GENSCAN
Start	452	End	550
GI	none	Score	.85
Exons	452..550		
Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48884	Strand	+
Start	2626	End	4236
Name	OJ990415_12.9C10.C3.o2.np	Method	AAT/NAP
Start	2290	End	4236
GI	4510387	Score	25
Exons	2290..2379, 2580..2657, 4207..4236		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		
Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48884	Strand	+
Start	2626	End	4236
Name	OJ990415_12.9C10.C3.o2.gs	Method	GENSCAN
Start	2626	End	3016
GI	none	Score	.66
Exons	2626..2814, 2828..3016		
Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48885	Strand	-
Start	1	End	1889
Name	OJ990415_12.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	1583
GI	417154	Score	842
Exons	1..48, 633..1058, 1458..1583		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi 100685 pir S25541 heat shock protein 82 - rice (strain Taichung Native One) gi 20256 emb CAA77978 (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		
Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48885	Strand	-
Start	1	End	1889
Name	OJ990415_12.9C10.C3.o1.gs	Method	GENSCAN
Start	630	End	1889
GI	none	Score	.8
Exons	630..1058, 1360..1452, 1458..1610, 1776..1889		
Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3

Gene No.	48885	Strand	-
Start	1	End	1889
Name	OJ990415_12.9C10.C3.o1.gp	Method	AAT/GAP
Start	636	End	1697
GI	438_2.R1084	Score	1179
Exons	636..1058, 1458..1697		
GI Descrip.	'5123910/emb CAA67191.1 8.0e-15 (X98582) HSP80-2 [Triticum aestivum]'		

Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48886	Strand	-
Start	3890	End	9352
Name	OJ990415_12.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	627	End	1577
GI	none	Score	65
Exons	627..725, 636..1058, 640..1002, 786..1067, 1458..1577, 1459..1575		

Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48886	Strand	-
Start	3890	End	9352
Name	OJ990415_12.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	627	End	1587
GI	none	Score	111
Exons	627..725, 636..1058, 640..1008, 786..1055, 1458..1544, 1458..1583, 1459..1587		

Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48886	Strand	-
Start	3890	End	9352
Name	OJ990415_12.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	632	End	1575
GI	none	Score	70
Exons	632..709, 636..983, 639..713, 640..978, 960..1064; 960..1058, 1485..1544, 1485..1559, 1486..1575		

Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48886	Strand	-
Start	3890	End	9352
Name	OJ990415_12.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	810	End	1587
GI	none	Score	303
Exons	810..1055, 814..1056, 816..1058, 1456..1584, 1458..1544, 1458..1586, 1459..1587		

Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48886	Strand	-
Start	3890	End	9352
Name	OJ990415_12.9C10.C3.o3.gs	Method	GENSCAN
Start	3890	End	7733
GI	none	Score	.65
Exons	3890..3909, 4033..4130, 4946..5100, 5232..5341, 5425..5522, 5942..6039, 7653..7733		

Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48886	Strand	-
Start	3890	End	9352

Name OJ990415_12.9C10.C3.o3.np Method AAT/NAP
 Start 4046 End 9352
 GI 4585981 Score 761
 Exons 4046..4076, 4361..4486, 5040..5100, 5223..5341, 5425..5522, 5817..5873, 5942..6046, 6153..6217, 7086..7188, 7359..7478, 7624..7721, 7747..7905, 7999..8205, 8277..8506, 9239..9352
 GI Descrip. (AC005287) similar to Na⁺/H⁺-exchanging proteins [Arabidopsis thaliana]

Seq. No. 23494 Seq. ID OJ990415_12.9C10.C3
 Gene No. 48886 Strand -
 Start 3890 End 9352
 Name OJ990415_12.9C10.C3.o3.tm Method TBLASTX:Maize
 Start 4052 End 6346
 GI none Score 86
 Exons 4052..4159, 5014..5106, 5042..5101, 5229..5342, 5229..5342, 5230..5343, 5420..5524, 5424..5525, 5795..5872, 5795..5872, 5941..6051, 6152..6217, 6154..6216, 6293..6346, 6295..6345

Seq. No. 23494 Seq. ID OJ990415_12.9C10.C3
 Gene No. 48886 Strand -
 Start 3890 End 9352
 Name OJ990415_12.9C10.C3.o2.ts Method TBLASTX:Soybean
 Start 5447 End 8082
 GI none Score 65
 Exons 5447..5524, 5795..5860, 5795..5857, 5941..6039, 5942..6040, 6152..6217, 6154..6216, 6158..6217, 6293..6352, 6295..6345, 7164..7196, 7357..7467, 7358..7456, 7638..7718, 7654..7716, 7654..7722, 7792..7899, 7793..7810, 7794..7904, 7996..8082, 7997..8080

Seq. No. 23494 Seq. ID OJ990415_12.9C10.C3
 Gene No. 48886 Strand -
 Start 3890 End 9352
 Name OJ990415_12.9C10.C3.o2.tm Method TBLASTX:Maize
 Start 7534 End 8242
 GI none Score 35
 Exons 7534..7554, 7638..7718, 7651..7716, 7651..7722, 7783..7899, 7792..7899, 7794..7904, 7794..7904, 7996..8082, 7997..8083, 8182..8232, 8185..8241, 8186..8242

Seq. No. 23494 Seq. ID OJ990415_12.9C10.C3
 Gene No. 48886 Strand -
 Start 3890 End 9352
 Name OJ990415_12.9C10.C3.o2.tc Method TBLASTX:Cress
 Start 7638 End 8502
 GI none Score 73
 Exons 7638..7718, 7644..7724, 7654..7737, 7792..7905, 7794..7904, 7994..8080, 7996..8082, 8185..8208, 8291..8350, 8455..8502

Seq. No. 23494 Seq. ID OJ990415_12.9C10.C3
 Gene No. 48886 Strand -
 Start 3890 End 9352
 Name OJ990415_12.9C10.C3.o2.gp Method AAT/GAP
 Start 7804 End 9352
 GI uC-osflM202053d07b1 Score 690
 Exons 7804..7905, 7997..8082, 8185..8209, 8289..8348, 8455..8506,

9239..9352
 GI Descrip. '4585981/gb|AAD25617.1|AC005287_19 8.0e-17 (AC005287) similar to Na⁺/H⁺-exchanging proteins [Arabidopsis thaliana]'

Seq. No.	23494	Seq. ID	OJ990415_12.9C10.C3
Gene No.	48886	Strand	-
Start	3890	End	9352
Name	OJ990415_12.9C10.C3.o4.gs	Method	GENSCAN
Start	9104	End	9220
GI	none	Score	.83
Exons	9104..9220		

Seq. No.	23495	Seq. ID	OJ990415_12.9C10.C4
Gene No.	48887	Strand	+
Start	1144	End	2020
Name	OJ990415_12.9C10.C4.o1.gs	Method	GENSCAN
Start	1144	End	2020
GI	none	Score	.52
Exons	1144..2020		

Seq. No.	23496	Seq. ID	OJ990415_12.9C10.C5
Gene No.	48888	Strand	+
Start	1	End	1435
Name	OJ990415_12.9C10.C5.o1.np	Method	AAT/NAP
Start	1	End	1435
GI	3549626	Score	746
Exons	1..1152, 1379..1435		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	23496	Seq. ID	OJ990415_12.9C10.C5
Gene No.	48888	Strand	+
Start	1	End	1435
Name	OJ990415_12.9C10.C5.o1.gs	Method	GENSCAN
Start	120	End	1033
GI	none	Score	.75
Exons	120..1033		

Seq. No.	23496	Seq. ID	OJ990415_12.9C10.C5
Gene No.	48888	Strand	+
Start	1	End	1435
Name	OJ990415_12.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	200	End	1153
GI	none	Score	46
Exons	200..271, 289..591, 302..601, 400..591, 620..952, 625..843, 704..952, 1043..1153		

Seq. No.	23496	Seq. ID	OJ990415_12.9C10.C5
Gene No.	48888	Strand	+
Start	1	End	1435
Name	OJ990415_12.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	203	End	1006
GI	none	Score	57
Exons	203..271, 302..454, 433..597, 443..619, 620..1006, 625..780, 626..937		

Seq. No.	23496	Seq. ID	OJ990415_12.9C10.C5
Gene No.	48888	Strand	+

Start	1	End	1435
Name	OJ990415_12.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	209	End	1147
GI	none	Score	53
Exons	209..271, 302..607, 397..585, 623..949, 628..843, 692..949, 1034..1147		

Seq. No.	23496	Seq. ID	OJ990415_12.9C10.C5
Gene No.	48888	Strand	+
Start	1	End	1435
Name	OJ990415_12.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	258	End	675
GI	none	Score	426
Exons	258..428, 287..613, 412..585, 450..608, 625..675		

Seq. No.	23496	Seq. ID	OJ990415_12.9C10.C5
Gene No.	48888	Strand	+
Start	1	End	1435
Name	OJ990415_12.9C10.C5.o2.tw	Method	TBLASTX:Wheat
Start	677	End	943
GI	none	Score	116
Exons	677..796, 803..940, 809..943		

Seq. No.	23496	Seq. ID	OJ990415_12.9C10.C5
Gene No.	48888	Strand	+
Start	1	End	1435
Name	OJ990415_12.9C10.C5.o1.gp	Method	AAT/GAP
Start	712	End	1176
GI	LIB3432-015-P1-K1-G6	Score	870
Exons	712..1176		
GI Descrip.	'4826399/emb CAB42872.1 2.0e-33 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	23497	Seq. ID	OJ990415_12.9C10.C6
Gene No.	48889	Strand	+
Start	173	End	716
Name	OJ990415_12.9C10.C6.o1.np	Method	AAT/NAP
Start	173	End	716
GI	417154	Score	868
Exons	173..716		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi 100685 pir S25541 heat shock protein 82 - rice (strain Taichung Native One) gi 20256 emb CAA77978 (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	23497	Seq. ID	OJ990415_12.9C10.C6
Gene No.	48889	Strand	+
Start	173	End	716
Name	OJ990415_12.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	173	End	622
GI	none	Score	148
Exons	173..271, 174..296, 179..271, 391..615, 392..622		

Seq. No.	23497	Seq. ID	OJ990415_12.9C10.C6
Gene No.	48889	Strand	+
Start	173	End	716
Name	OJ990415_12.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	173	End	715

GI	none	Score	151
Exons	173..262, 179..271, 190..282, 382..714, 391..714, 392..715, 404..715		
Seq. No.	23497	Seq. ID	OJ990415_12.9C10.C6
Gene No.	48889	Strand	+
Start	173	End	716
Name	OJ990415_12.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	173	End	716
GI	none	Score	150
Exons	173..271, 177..296, 179..271, 391..714, 392..715, 393..716		
Seq. No.	23497	Seq. ID	OJ990415_12.9C10.C6
Gene No.	48889	Strand	+
Start	173	End	716
Name	OJ990415_12.9C10.C6.o1.gp	Method	AAT/GAP
Start	174	End	716
GI	438_1.R1084	Score	1035
Exons	174..716		
GI Descrip.	'417154/sp P33126 HS82_ORYSA 1.0e-172 HEAT SHOCK PROTEIN 82 >gi_100685_pir_S25541 heat shock protein 82 - rice (strain Taichung Native One) >gi_20256_emb_CAA77978_ (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]'		
Seq. No.	23497	Seq. ID	OJ990415_12.9C10.C6
Gene No.	48889	Strand	+
Start	173	End	716
Name	OJ990415_12.9C10.C6.o1.gs	Method	GENSCAN
Start	176	End	665
GI	none	Score	.96
Exons	176..665		
Seq. No.	23497	Seq. ID	OJ990415_12.9C10.C6
Gene No.	48889	Strand	+
Start	173	End	716
Name	OJ990415_12.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	179	End	715
GI	none	Score	151
Exons	179..271, 183..293, 391..714, 392..715, 404..715		
Seq. No.	23498	Seq. ID	OJ990415_12.9C10.C7
Gene No.	48890	Strand	-
Start	118	End	1462
Name	OJ990415_12.9C10.C7.o1.np	Method	AAT/NAP
Start	118	End	1385
GI	4587599	Score	498
Exons	118..188, 266..428, 999..1385		
GI Descrip.	(AC006951) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23498	Seq. ID	OJ990415_12.9C10.C7
Gene No.	48890	Strand	-
Start	118	End	1462
Name	OJ990415_12.9C10.C7.o1.gs	Method	GENSCAN
Start	969	End	1418
GI	none	Score	.97
Exons	969..1418		

Seq. No.	23498	Seq. ID	OJ990415_12.9C10.C7
Gene No.	48890	Strand	-
Start	118	End	1462
Name	OJ990415_12.9C10.C7.o1.gp	Method	AAT/GAP
Start	1013	End	1462
GI	2800165	Score	747
Exons	1013..1462		

Seq. No.	23498	Seq. ID	OJ990415_12.9C10.C7
Gene No.	48891	Strand	-
Start	1789	End	2209
Name	OJ990415_12.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	379	End	1235
GI	none	Score	65
Exons	379..429, 381..428, 979..1179, 999..1235		

Seq. No.	23498	Seq. ID	OJ990415_12.9C10.C7
Gene No.	48891	Strand	-
Start	1789	End	2209
Name	OJ990415_12.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	979	End	1166
GI	none	Score	155
Exons	979..1158, 999..1160, 1038..1166		

Seq. No.	23498	Seq. ID	OJ990415_12.9C10.C7
Gene No.	48891	Strand	-
Start	1789	End	2209
Name	OJ990415_12.9C10.C7.o2.gp	Method	AAT/GAP
Start	1789	End	2209
GI	4715863	Score	811
Exons	1789..2209		

Seq. No.	23499	Seq. ID	OJ990415_12.9C10.C8
Gene No.	48892	Strand	-
Start	350	End	472
Name	OJ990415_12.9C10.C8.o1.gs	Method	GENSCAN
Start	350	End	472
GI	none	Score	.49
Exons	350..472		

Seq. No.	23500	Seq. ID	OJ990415_12.9C10.C10
Gene No.	48893	Strand	-
Start	136	End	479
Name	OJ990415_12.9C10.C10.o1.np	Method	AAT/NAP
Start	136	End	479
GI	4115536	Score	101
Exons	136..479		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	23500	Seq. ID	OJ990415_12.9C10.C10
Gene No.	48893	Strand	-
Start	136	End	479
Name	OJ990415_12.9C10.C10.o1.gs	Method	GENSCAN
Start	280	End	348
GI	none	Score	.53
Exons	280..348		

Seq. No.	23501	Seq. ID	OJ990415_12.9C10.C11
Gene No.	48894	Strand	+
Start	1	End	755
Name	OJ990415_12.9C10.C11.ol.np	Method	AAT/NAP
Start	1	End	755
GI	3549626	Score	516
Exons	1..755		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	23501	Seq. ID	OJ990415_12.9C10.C11
Gene No.	48894	Strand	+
Start	1	End	755
Name	OJ990415_12.9C10.C11.ol.tm	Method	TBLASTX:Maize
Start	44	End	665
GI	none	Score	112
Exons	44..103, 45..125, 141..467, 146..361, 210..467, 552..665		

Seq. No.	23501	Seq. ID	OJ990415_12.9C10.C11
Gene No.	48894	Strand	+
Start	1	End	755
Name	OJ990415_12.9C10.C11.ol.ts	Method	TBLASTX:Soybean
Start	44	End	524
GI	none	Score	108
Exons	44..115, 45..137, 138..524, 143..298, 144..455		

Seq. No.	23501	Seq. ID	OJ990415_12.9C10.C11
Gene No.	48894	Strand	+
Start	1	End	755
Name	OJ990415_12.9C10.C11.ol.tc	Method	TBLASTX:Cress
Start	45	End	671
GI	none	Score	125
Exons	45..119, 47..109, 138..470, 143..361, 222..470, 561..671		

Seq. No.	23501	Seq. ID	OJ990415_12.9C10.C11
Gene No.	48894	Strand	+
Start	1	End	755
Name	OJ990415_12.9C10.C11.ol.tw	Method	TBLASTX:Wheat
Start	69	End	461
GI	none	Score	162
Exons	69..314, 321..458, 327..461		

Seq. No.	23501	Seq. ID	OJ990415_12.9C10.C11
Gene No.	48894	Strand	+
Start	1	End	755
Name	OJ990415_12.9C10.C11.ol.gp	Method	AAT/GAP
Start	230	End	694
GI	LIB3432-015-P1-K1-G6	Score	870
Exons	230..694		
GI Descrip.	'4826399/emb CAB42872.1 2.0e-33 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	23501	Seq. ID	OJ990415_12.9C10.C11
Gene No.	48894	Strand	+
Start	1	End	755
Name	OJ990415_12.9C10.C11.ol.gs	Method	GENSCAN
Start	274	End	551

GI	none	Score	.64
Exons	274..551		
Seq. No.	23502	Seq. ID	OJ990415_12.9C10.C12
Gene No.	48895	Strand	-
Start	221	End	337
Name	OJ990415_12.9C10.C12.o1.gs	Method	GENSCAN
Start	221	End	337
GI	none	Score	.95
Exons	221..337		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48896	Strand	+
Start	822	End	1664
Name	OJ990415_12.9C10.C13.o1.np	Method	AAT/NAP
Start	822	End	1664
GI	5042448	Score	1233
Exons	822..1664		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o2.np	Method	AAT/NAP
Start	1918	End	5385
GI	4680179	Score	5860
Exons	1918..5385		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o5.tw	Method	TBLASTX:Wheat
Start	2185	End	2544
GI	none	Score	298
Exons	2185..2544, 2211..2285, 2310..2543		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o5.tm	Method	TBLASTX:Maize
Start	2425	End	2757
GI	none	Score	211
Exons	2425..2757, 2425..2709, 2442..2612		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o6.tw	Method	TBLASTX:Wheat
Start	3064	End	3480
GI	none	Score	152
Exons	3064..3273, 3114..3212, 3273..3479, 3295..3480, 3324..3479		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385

Name	OJ990415_12.9C10.C13.o2.tw	Method	TBLASTX:Wheat
Start	3643	End	4125
GI	none	Score	545
Exons	3643..4125, 3747..4082, 3754..4116		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o3.tm	Method	TBLASTX:Maize
Start	3655	End	3944
GI	none	Score	319
Exons	3655..3942, 3753..3944		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	4012	End	4512
GI	none	Score	161
Exons	4012..4191, 4177..4512, 4263..4394, 4419..4469		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	4066	End	4461
GI	none	Score	57
Exons	4066..4098, 4066..4110, 4102..4461, 4102..4182, 4197..4460		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o4.tw	Method	TBLASTX:Wheat
Start	4174	End	4476
GI	none	Score	396
Exons	4174..4476, 4194..4475		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	4477	End	4986
GI	none	Score	635
Exons	4477..4986, 4509..4898, 4555..4902		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o2.ts	Method	TBLASTX:Soybean
Start	4483	End	4728
GI	none	Score	202
Exons	4483..4728		
Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o1.tm	Method	TBLASTX:Maize

Start	4549	End	4914
GI	none	Score	484
Exons	4549..4902, 4551..4898, 4603..4914		

Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o3.tw	Method	TBLASTX:Wheat
Start	4990	End	5385
GI	none	Score	441
Exons	4990..5385, 5023..5355, 5214..5384		

Seq. No.	23503	Seq. ID	OJ990415_12.9C10.C13
Gene No.	48897	Strand	+
Start	1918	End	5385
Name	OJ990415_12.9C10.C13.o4.tm	Method	TBLASTX:Maize
Start	5119	End	5382
GI	none	Score	228
Exons	5119..5382, 5200..5373		

Seq. No.	23504	Seq. ID	OJ990415_12.9C10.C14
Gene No.	48898	Strand	+
Start	1	End	638
Name	OJ990415_12.9C10.C14.o1.np	Method	AAT/NAP
Start	1	End	638
GI	2317934	Score	123
Exons	1..638		
GI Descrip.	(U97553) unknown [murine herpesvirus 68]		

Seq. No.	23504	Seq. ID	OJ990415_12.9C10.C14
Gene No.	48899	Strand	-
Start	552	End	678
Name	OJ990415_12.9C10.C14.o1.gs	Method	GENSCAN
Start	552	End	678
GI	none	Score	.66
Exons	552..678		

Seq. No.	23505	Seq. ID	OJ990415_12.9C10.C16
Gene No.	48900	Strand	+
Start	1	End	1155
Name	OJ990415_12.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	1155
GI	4680179	Score	1890
Exons	1..1155		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23505	Seq. ID	OJ990415_12.9C10.C16
Gene No.	48901	Strand	-
Start	179	End	1117
Name	OJ990415_12.9C10.C16.o3.tw	Method	TBLASTX:Wheat
Start	1	End	193
GI	none	Score	74
Exons	1..162, 4..192, 5..193		

Seq. No.	23505	Seq. ID	OJ990415_12.9C10.C16
Gene No.	48901	Strand	-
Start	179	End	1117

Name	OJ990415_12.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	5	End	241
GI	none	Score	283
Exons	5..241, 13..240		
Seq. No.	23505	Seq. ID	OJ990415_12.9C10.C16
Gene No.	48901	Strand	-
Start	179	End	1117
Name	OJ990415_12.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	40	End	331
GI	none	Score	381
Exons	40..327, 41..331		
Seq. No.	23505	Seq. ID	OJ990415_12.9C10.C16
Gene No.	48901	Strand	-
Start	179	End	1117
Name	OJ990415_12.9C10.C16.o1.gs	Method	GENSCAN
Start	179	End	1102
GI	none	Score	.62
Exons	179..289, 340..358, 507..547, 767..856, 1016..1102		
Seq. No.	23505	Seq. ID	OJ990415_12.9C10.C16
Gene No.	48901	Strand	-
Start	179	End	1117
Name	OJ990415_12.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	200	End	826
GI	none	Score	708
Exons	200..826, 202..825		
Seq. No.	23505	Seq. ID	OJ990415_12.9C10.C16
Gene No.	48901	Strand	-
Start	179	End	1117
Name	OJ990415_12.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	380	End	979
GI	none	Score	226
Exons	380..541, 388..534, 539..979, 541..966		
Seq. No.	23505	Seq. ID	OJ990415_12.9C10.C16
Gene No.	48901	Strand	-
Start	179	End	1117
Name	OJ990415_12.9C10.C16.o2.tw	Method	TBLASTX:Wheat
Start	826	End	1117
GI	none	Score	334
Exons	826..879, 827..1117, 854..934, 919..1116, 977..1117		
Seq. No.	23506	Seq. ID	OJ990415_12.9C10.C21
Gene No.	48902	Strand	+
Start	40	End	376
Name	OJ990415_12.9C10.C21.o1.gs	Method	GENSCAN
Start	40	End	376
GI	none	Score	.52
Exons	40..273, 341..376		
Seq. No.	23507	Seq. ID	OJ990415_12.9C10.C23
Gene No.	48903	Strand	-
Start	414	End	539
Name	OJ990415_12.9C10.C23.o1.gs	Method	GENSCAN

Start	414	End	539
GI	none	Score	.93
Exons	414..539		
Seq. No.	23508	Seq. ID	OJ990415_12.9C10.C27
Gene No.	48904	Strand	+
Start	47	End	184
Name	OJ990415_12.9C10.C27.o1.gs	Method	GENSCAN
Start	47	End	184
GI	none	Score	.81
Exons	47..184		
Seq. No.	23508	Seq. ID	OJ990415_12.9C10.C27
Gene No.	48905	Strand	-
Start	1	End	185
Name	OJ990415_12.9C10.C27.o1.gp	Method	AAT/GAP
Start	1	End	185
GI	18310_1.R1084	Score	105
Exons	1..22, 116..185		
GI Descrip.	'2213583 3.0e-51 (AC000348) T7N9.3 [Arabidopsis thaliana]'		
Seq. No.	23509	Seq. ID	OJ990415_12.9C10.C28
Gene No.	48906	Strand	+
Start	132	End	277
Name	OJ990415_12.9C10.C28.o1.gs	Method	GENSCAN
Start	132	End	277
GI	none	Score	.65
Exons	132..277		
Seq. No.	23510	Seq. ID	OJ990415_12.9C10.C30
Gene No.	48907	Strand	+
Start	1	End	532
Name	OJ990415_12.9C10.C30.o1.np	Method	AAT/NAP
Start	1	End	529
GI	4115536	Score	390
Exons	1..529		
GI Descrip.	(AB012115) UDP-glucose:flavonoid glycosyltransferase [Vigna mungo]		
Seq. No.	23510	Seq. ID	OJ990415_12.9C10.C30
Gene No.	48907	Strand	+
Start	1	End	532
Name	OJ990415_12.9C10.C30.o1.tc	Method	TBLASTX:Cress
Start	5	End	406
GI	none	Score	72
Exons	5..79, 7..69, 91..294, 101..406		
Seq. No.	23510	Seq. ID	OJ990415_12.9C10.C30
Gene No.	48907	Strand	+
Start	1	End	532
Name	OJ990415_12.9C10.C30.o1.tm	Method	TBLASTX:Maize
Start	6	End	463
GI	none	Score	102
Exons	6..71, 8..73, 88..294, 89..415, 380..463		
Seq. No.	23510	Seq. ID	OJ990415_12.9C10.C30
Gene No.	48907	Strand	+

Start 1
 Name OJ990415_12.9C10.C30.o1.ts
 Start 8
 GI none
 Exons 8..73, 88..297, 89..511

End 532
 Method TBLASTX:Soybean
 End 511
 Score 82

Seq. No. 23510
 Gene No. 48907
 Start 1
 Name OJ990415_12.9C10.C30.o1.tw
 Start 11
 GI none
 Exons 11..70, 103..285, 104..328

Seq. ID OJ990415_12.9C10.C30
 Strand +
 End 532
 Method TBLASTX:Wheat
 End 328
 Score 65

Seq. No. 23510
 Gene No. 48907
 Start 1
 Name OJ990415_12.9C10.C30.o1.gs
 Start 79
 GI none
 Exons 79..532

Seq. ID OJ990415_12.9C10.C30
 Strand +
 End 532
 Method GENSCAN
 End 532
 Score .77

Seq. No. 23511
 Gene No. 48908
 Start 757
 Name OJ990415_12.9C10.C31.o1.gs
 Start 757
 GI none
 Exons 757..850

Seq. ID OJ990415_12.9C10.C31
 Strand +
 End 850
 Method GENSCAN
 End 850
 Score .56

Seq. No. 23512
 Gene No. 48909
 Start 1
 Name OJ990415_12.9C10.C32.o1.np
 Start 1
 GI 4585981
 Exons 1..35, 412..476, 583..772

Seq. ID OJ990415_12.9C10.C32
 Strand +
 End 772
 Method AAT/NAP
 End 772
 Score 93

GI Descrip. (AC005287) similar to Na⁺/H⁺-exchanging proteins [Arabidopsis thaliana]

Seq. No. 23512
 Gene No. 48909
 Start 1
 Name OJ990415_12.9C10.C32.o1.ts
 Start 277
 GI none
 Exons 277..336, 284..334, 287..337, 412..471, 412..477, 413..475, 589..687, 590..688

Seq. ID OJ990415_12.9C10.C32
 Strand +
 End 772
 Method TBLASTX:Soybean
 End 688
 Score 81

Seq. No. 23512
 Gene No. 48909
 Start 1
 Name OJ990415_12.9C10.C32.o1.tm
 Start 283
 GI none
 Exons 283..336, 284..334, 412..477, 413..475, 578..688

Seq. ID OJ990415_12.9C10.C32
 Strand +
 End 772
 Method TBLASTX:Maize
 End 688
 Score 76

Seq. No.	23513	Seq. ID	OJ990415_12.9C10.C34
Gene No.	48910	Strand	+
Start	408	End	494
Name	OJ990415_12.9C10.C34.o1.gs	Method	GENSCAN
Start	408	End	494
GI	none	Score	.86
Exons	408..494		

Seq. No.	23514	Seq. ID	OJ990415_12.9C10.C37
Gene No.	48911	Strand	-
Start	1	End	741
Name	OJ990415_12.9C10.C37.o1.np	Method	AAT/NAP
Start	1	End	741
GI	4680179	Score	1116
Exons	1..741		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23514	Seq. ID	OJ990415_12.9C10.C37
Gene No.	48911	Strand	-
Start	1	End	741
Name	OJ990415_12.9C10.C37.o1.tw	Method	TBLASTX:Wheat
Start	276	End	585
GI	none	Score	36
Exons	276..371, 277..318, 342..584, 430..585		

Seq. No.	23514	Seq. ID	OJ990415_12.9C10.C37
Gene No.	48911	Strand	-
Start	1	End	741
Name	OJ990415_12.9C10.C37.o1.tm	Method	TBLASTX:Maize
Start	306	End	585
GI	none	Score	84
Exons	306..584, 354..548, 451..585		

Seq. No.	23515	Seq. ID	OJ990415_12.9C10.C39
Gene No.	48912	Strand	-
Start	1	End	457
Name	OJ990415_12.9C10.C39.o1.np	Method	AAT/NAP
Start	1	End	457
GI	4680179	Score	763
Exons	1..457		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23515	Seq. ID	OJ990415_12.9C10.C39
Gene No.	48912	Strand	-
Start	1	End	457
Name	OJ990415_12.9C10.C39.o1.tw	Method	TBLASTX:Wheat
Start	5	End	184
GI	none	Score	93
Exons	5..184, 9..173		

Seq. No.	23515	Seq. ID	OJ990415_12.9C10.C39
Gene No.	48912	Strand	-
Start	1	End	457
Name	OJ990415_12.9C10.C39.o1.gs	Method	GENSCAN
Start	31	End	457
GI	none	Score	.46
Exons	31..457		

Seq. No.	23516	Seq. ID	OJ990415_12.9C10.C40
Gene No.	48913	Strand	+
Start	449	End	1214
Name	OJ990415_12.9C10.C40.o1.np	Method	AAT/NAP
Start	449	End	1214
GI	4680183	Score	205
Exons	449..519, 1125..1214		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	23517	Seq. ID	OJ990415_12.9C10.C41
Gene No.	48914	Strand	-
Start	595	End	887
Name	OJ990415_12.9C10.C41.o1.gs	Method	GENSCAN
Start	595	End	887
GI	none	Score	.95
Exons	595..887		

Seq. No.	23517	Seq. ID	OJ990415_12.9C10.C41
Gene No.	48915	Strand	-
Start	1170	End	1414
Name	OJ990415_12.9C10.C41.o1.np	Method	AAT/NAP
Start	1170	End	1414
GI	103077	Score	118
Exons	1170..1414		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS319 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48916	Strand	+
Start	299	End	3028
Name	OJ990415_12.9C10.C42.o1.gs	Method	GENSCAN
Start	299	End	3028
GI	none	Score	.65
Exons	299..489, 831..1041, 1553..1624, 2101..2186, 2231..2367, 2633..2766, 2783..3028		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48916	Strand	+
Start	299	End	3028
Name	OJ990415_12.9C10.C42.o1.np	Method	AAT/NAP
Start	1154	End	2998
GI	4115536	Score	228
Exons	1154..1245, 2601..2998		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48917	Strand	+
Start	9553	End	10322
Name	OJ990415_12.9C10.C42.o3.np	Method	AAT/NAP
Start	9553	End	10322
GI	4544419	Score	576
Exons	9553..10322		
GI Descrip.	(AC006955) unknown protein [Arabidopsis thaliana]		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
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Gene No.	48918	Strand	+
Start	14162	End	14416
Name	OJ990415_12.9C10.C42.o2.gp	Method	AAT/GAP
Start	14162	End	14416
GI	61605_3.R1084	Score	414
Exons	14162..14416		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48919	Strand	-
Start	3078	End	3776
Name	OJ990415_12.9C10.C42.o1.gp	Method	AAT/GAP
Start	3078	End	3776
GI	59696_1.R1084	Score	1329
Exons	3078..3776		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl7804'		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48919	Strand	-
Start	3078	End	3776
Name	OJ990415_12.9C10.C42.o2.np	Method	AAT/NAP
Start	3307	End	3729
GI	3128177	Score	311
Exons	3307..3729		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48919	Strand	-
Start	3078	End	3776
Name	OJ990415_12.9C10.C42.o2.gs	Method	GENSCAN
Start	3316	End	3729
GI	none	Score	1
Exons	3316..3729		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127
Name	OJ990415_12.9C10.C42.o1.tm	Method	TBLASTX:Maize
Start	441	End	10142
GI	none	Score	154
Exons	441..467, 496..597, 9685..9807, 9690..9815, 9726..9815, 9798..10142, 9822..10142		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127
Name	OJ990415_12.9C10.C42.o3.tm	Method	TBLASTX:Maize
Start	2583	End	2986
GI	none	Score	58
Exons	2583..2657, 2655..2750, 2668..2769, 2668..2772, 2819..2986, 2827..2985		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127

Name	OJ990415_12.9C10.C42.o3.ts	Method	TBLASTX:Soybean
Start	2583	End	2980
GI	none	Score	66
Exons	2583..2657, 2667..2759, 2668..2763, 2822..2980, 2854..2961		
Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127
Name	OJ990415_12.9C10.C42.o1.ts	Method	TBLASTX:Soybean
Start	3334	End	3730
GI	none	Score	68
Exons	3334..3522, 3356..3436, 3544..3597, 3544..3729, 3656..3730		
Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127
Name	OJ990415_12.9C10.C42.o2.tc	Method	TBLASTX:Cress
Start	3367	End	3732
GI	none	Score	170
Exons	3367..3522, 3526..3732		
Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127
Name	OJ990415_12.9C10.C42.o2.tm	Method	TBLASTX:Maize
Start	3448	End	3741
GI	none	Score	213
Exons	3448..3741, 3457..3729		
Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127
Name	OJ990415_12.9C10.C42.o1.tw	Method	TBLASTX:Wheat
Start	3562	End	3738
GI	none	Score	132
Exons	3562..3738, 3562..3732		
Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127
Name	OJ990415_12.9C10.C42.o2.ts	Method	TBLASTX:Soybean
Start	9685	End	10142
GI	none	Score	173
Exons	9685..9822, 9690..9827, 9774..10142, 9815..10132		
Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127
Name	OJ990415_12.9C10.C42.o1.tc	Method	TBLASTX:Cress
Start	9690	End	10142
GI	none	Score	170
Exons	9690..9827, 9691..9822, 9726..9863, 9774..10142, 9815..10132, 9867..10142		
Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127

Name	OJ990415_12.9C10.C42.o4.np	Method	AAT/NAP
Start	14783	End	18127
GI	6063554	Score	305
Exons	14783..14956, 15592..15623, 16278..16495, 18086..18127		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23518	Seq. ID	OJ990415_12.9C10.C42
Gene No.	48920	Strand	-
Start	14783	End	18127
Name	OJ990415_12.9C10.C42.o5.gs	Method	GENSCAN
Start	17824	End	17957
GI	none	Score	.98
Exons	17824..17957		

Seq. No.	23519	Seq. ID	OJ990415_12.9C10.C43
Gene No.	48921	Strand	+
Start	1	End	4745
Name	OJ990415_12.9C10.C43.o3.np	Method	AAT/NAP
Start	1	End	4745
GI	6063554	Score	.277
Exons	1..45, 3271..3400, 3908..3937, 4571..4745		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23519	Seq. ID	OJ990415_12.9C10.C43
Gene No.	48922	Strand	+
Start	6361	End	13091
Name	OJ990415_12.9C10.C43.o2.gs	Method	GENSCAN
Start	6361	End	10724
GI	none	Score	.63
Exons	6361..6368, 7220..7392, 7461..7510, 7928..8014, 9125..9232, 9387..9603, 10028..10209, 10372..10554, 10602..10724		

Seq. No.	23519	Seq. ID	OJ990415_12.9C10.C43
Gene No.	48922	Strand	+
Start	6361	End	13091
Name	OJ990415_12.9C10.C43.o4.np	Method	AAT/NAP
Start	8701	End	11951
GI	6721562	Score	253
Exons	8701..8735, 9141..9244, 9678..9783, 10243..10614, 11902..11951		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi 6815087 dbj BAA90373.1 (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	23519	Seq. ID	OJ990415_12.9C10.C43
Gene No.	48922	Strand	+
Start	6361	End	13091
Name	OJ990415_12.9C10.C43.o5.np	Method	AAT/NAP
Start	11446	End	13091
GI	6815109	Score	167
Exons	11446..11478, 12514..12753, 12840..13091		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	23519	Seq. ID	OJ990415_12.9C10.C43
Gene No.	48923	Strand	-
Start	1	End	3632
Name	OJ990415_12.9C10.C43.o1.np	Method	AAT/NAP
Start	1	End	1341
GI	6907086	Score	1076
Exons	1..112, 343..514, 575..1341		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23519	Seq. ID	OJ990415_12.9C10.C43
Gene No.	48923	Strand	-
Start	1	End	3632
Name	OJ990415_12.9C10.C43.o1.gs	Method	GENSCAN
Start	282	End	3632
GI	none	Score	.48
Exons	282..445, 620..720, 759..1036, 2882..2995, 3309..3632		

Seq. No.	23519	Seq. ID	OJ990415_12.9C10.C43
Gene No.	48923	Strand	-
Start	1	End	3632
Name	OJ990415_12.9C10.C43.o2.np	Method	AAT/NAP
Start	2055	End	3038
GI	4680186	Score	182
Exons	2055..2473, 2975..3038		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23519	Seq. ID	OJ990415_12.9C10.C43
Gene No.	48924	Strand	-
Start	5112	End	5400
Name	OJ990415_12.9C10.C43.o1.gp	Method	AAT/GAP
Start	5112	End	5400
GI	61605_3.R1084	Score	416
Exons	5112..5400		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	23520	Seq. ID	OJ990415_12.9C10.C44
Gene No.	48925	Strand	+
Start	489	End	3667
Name	OJ990415_12.9C10.C44.o1.gs	Method	GENSCAN
Start	489	End	3667
GI	none	Score	.68
Exons	489..640, 1195..1484, 2066..2730, 3255..3282, 3551..3667		

Seq. No.	23520	Seq. ID	OJ990415_12.9C10.C44
Gene No.	48925	Strand	+
Start	489	End	3667
Name	OJ990415_12.9C10.C44.o1.gp	Method	AAT/GAP
Start	2582	End	3131
GI	none	Score	1016
Exons	2582..3131		

Seq. No.	23520	Seq. ID	OJ990415_12.9C10.C44
Gene No.	48926	Strand	+
Start	6611	End	8757
Name	OJ990415_12.9C10.C44.o2.gs	Method	GENSCAN

Start	6611	End	8757
GI	none	Score	.8
Exons	6611..6723, 7512..7553, 8206..8351, 8459..8757		

Seq. No.	23520	Seq. ID	OJ990415_12.9C10.C44
Gene No.	48927	Strand	+
Start	8666	End	9147
Name	OJ990415_12.9C10.C44.o2.gp	Method	AAT/GAP
Start	8666	End	9147
GI	none	Score	952
Exons	8666..9147		

Seq. No.	23520	Seq. ID	OJ990415_12.9C10.C44
Gene No.	48928	Strand	-
Start	8969	End	14546
Name	OJ990415_12.9C10.C44.o1.tm	Method	TBLASTX:Maize
Start	8964	End	12839
GI	none	Score	76
Exons	8964..9020, 8965..9036, 9042..9086, 9047..9073, 9085..9147, 9091..9183, 9432..9518, 9434..9520, 9450..9518, 9556..9621, 9575..9622, 9699..9794, 9715..9792, 9716..9793, 10428..10520, 10428..10520, 10429..10521, 10608..10712, 10610..10714, 10611..10712, 11315..11392, 11315..11386, 11864..11950, 11865..11948, 11867..11950, 12090..12161, 12093..12167, 12569..12637, 12570..12638, 12574..12645, 12770..12832, 12774..12839		

Seq. No.	23520	Seq. ID	OJ990415_12.9C10.C44
Gene No.	48928	Strand	-
Start	8969	End	14546
Name	OJ990415_12.9C10.C44.o3.gs	Method	GENSCAN
Start	8969	End	14546
GI	none	Score	.86
Exons	8969..9145, 9238..9297, 9434..9514, 9717..9791, 10431..10520, 10610..10724, 11315..11385, 12093..12161, 12570..12707, 13012..13213, 14410..14546		

Seq. No.	23520	Seq. ID	OJ990415_12.9C10.C44
Gene No.	48928	Strand	-
Start	8969	End	14546
Name	OJ990415_12.9C10.C44.o1.np	Method	AAT/NAP
Start	9002	End	11966
GI	2947068	Score	160
Exons	9002..9115, 9434..9547, 9717..9791, 10431..10520, 10610..10711, 11315..11381, 11868..11966		
GI Descrip.	(AC002521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23520	Seq. ID	OJ990415_12.9C10.C44
Gene No.	48928	Strand	-
Start	8969	End	14546
Name	OJ990415_12.9C10.C44.o3.gp	Method	AAT/GAP
Start	9276	End	12931
GI	18310_1.R1084	Score	1433
Exons	9276..9297, 9434..9514, 9589..9621, 9717..9791, 10431..10520, 10610..10711, 11315..11385, 11866..11947, 12093..12161, 12570..12631, 12775..12931		
GI Descrip.	'2213583 3.0e-51 (AC000348) T7N9.3 [Arabidopsis thaliana]'		

Seq. No.	23521	Seq. ID	OJ990415_12.9C10.C45
Gene No.	48929	Strand	+
Start	1017	End	5085
Name	OJ990415_12.9C10.C45.o1.gs	Method	GENSCAN
Start	1017	End	5085
GI	none	Score	.89
Exons	1017..1583, 2103..2242, 2895..3249, 3827..4075, 4415..4540, 4894..5085		

Seq. No.	23521	Seq. ID	OJ990415_12.9C10.C45
Gene No.	48929	Strand	+
Start	1017	End	5085
Name	OJ990415_12.9C10.C45.o1.gp	Method	AAT/GAP
Start	2128	End	3277
GI	none	Score	836
Exons	2128..2242, 2895..3277		

Seq. No.	23521	Seq. ID	OJ990415_12.9C10.C45
Gene No.	48929	Strand	+
Start	1017	End	5085
Name	OJ990415_12.9C10.C45.o2.gp	Method	AAT/GAP
Start	3357	End	3460
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	3357..3460		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)->gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23521	Seq. ID	OJ990415_12.9C10.C45
Gene No.	48930	Strand	+
Start	5044	End	5472
Name	OJ990415_12.9C10.C45.o2.tm	Method	TBLASTX:Maize
Start	1094	End	1292
GI	none	Score	215
Exons	1094..1291, 1101..1292		

Seq. No.	23521	Seq. ID	OJ990415_12.9C10.C45
Gene No.	48930	Strand	+
Start	5044	End	5472
Name	OJ990415_12.9C10.C45.o2.ts	Method	TBLASTX:Soybean
Start	1104	End	2237
GI	none	Score	184
Exons	1104..1430, 2088..2237, 2094..2237		

Seq. No.	23521	Seq. ID	OJ990415_12.9C10.C45
Gene No.	48930	Strand	+
Start	5044	End	5472
Name	OJ990415_12.9C10.C45.o1.tc	Method	TBLASTX:Cress
Start	2090	End	3111
GI	none	Score	171
Exons	2090..2248, 2100..2249, 2887..3111, 2919..3110		

Seq. No.	23521	Seq. ID	OJ990415_12.9C10.C45
Gene No.	48930	Strand	+
Start	5044	End	5472
Name	OJ990415_12.9C10.C45.o1.ts	Method	TBLASTX:Soybean

Start	3178	End	5076
GI	none	Score	78
Exons	3178..3246, 3838..4080, 3845..4078, 3996..4079, 4451..4540, 4891..5076, 4929..5051		

Seq. No.	23521	Seq. ID	OJ990415_12.9C10.C45
Gene No.	48930	Strand	+
Start	5044	End	5472
Name	OJ990415_12.9C10.C45.o1.tm	Method	TBLASTX:Maize
Start	4890	End	5055
GI	none	Score	202
Exons	4890..5054, 4890..5054, 4891..5055, 4891..5055		

Seq. No.	23521	Seq. ID	OJ990415_12.9C10.C45
Gene No.	48930	Strand	+
Start	5044	End	5472
Name	OJ990415_12.9C10.C45.o3.gp	Method	AAT/GAP
Start	5044	End	5472
GI	4715863	Score	831
Exons	5044..5472		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48931	Strand	+
Start	1	End	2963
Name	OJ990415_12.9C10.C46.o1.np	Method	AAT/NAP
Start	1	End	2963
GI	4587599	Score	515
Exons	1..261, 339..409, 533..628, 699..812, 1451..1535, 2933..2963		
GI Descrip.	(AC006951) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48931	Strand	+
Start	1	End	2963
Name	OJ990415_12.9C10.C46.o1.gp	Method	AAT/GAP
Start	575	End	2136
GI	12582_1.R1084	Score	1052
Exons	575..628, 699..812, 1451..1519, 1656..1730, 1831..2136		
GI Descrip.	'1483177/dbj BAA13135 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]'		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48931	Strand	+
Start	1	End	2963
Name	OJ990415_12.9C10.C46.o1.gs	Method	GENSCAN
Start	699	End	1920
GI	none	Score	.94
Exons	699..812, 1451..1519, 1656..1730, 1831..1920		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48932	Strand	+
Start	4468	End	14014
Name	OJ990415_12.9C10.C46.o2.gp	Method	AAT/GAP
Start	4393	End	6059
GI	5607469	Score	700
Exons	4393..4679, 5979..6059		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
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Gene No.	48932	Strand	+
Start	4468	End	14014
Name	OJ990415_12.9C10.C46.o2.np	Method	AAT/NAP
Start	4450	End	9598
GI	6721520	Score	1474
Exons	4450..4593, 5914..6177, 6245..6410, 6938..7472, 7631..7734, 7859..8101, 8696..9598		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48932	Strand	+
Start	4468	End	14014
Name	OJ990415_12.9C10.C46.o3.gs	Method	GENSCAN
Start	4468	End	14014
GI	none	Score	.6
Exons	4468..4679, 5979..6410, 6938..7472, 7631..7734, 7856..8101, 8779..9568, 9795..9905, 10668..10697, 10841..10951, 10972..11103, 13784..14014		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48932	Strand	+
Start	4468	End	14014
Name	OJ990415_12.9C10.C46.o3.gp	Method	AAT/GAP
Start	7972	End	8954
GI	5607470	Score	758
Exons	7972..8101, 8696..8954		
GI Descrip.	1483177/dbj BAA13135 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48933	Strand	-
Start	2311	End	3174
Name	OJ990415_12.9C10.C46.o2.gs	Method	GENSCAN
Start	2311	End	3174
GI	none	Score	.56
Exons	2311..2343, 2812..3174		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o4.tm	Method	TBLASTX:Maize
Start	368	End	827
GI	none	Score	63
Exons	368..409, 368..418, 519..629, 521..634, 532..627, 696..764, 698..769, 698..763, 768..827, 774..827		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o2.ts	Method	TBLASTX:Soybean
Start	2437	End	9594
GI	none	Score	173
Exons	2437..2466, 2594..2647, 5992..6183, 6015..6182, 6270..6407, 6271..6426, 6936..6962, 7017..7169, 7019..7084, 7169..7354, 7170..7355, 7325..7456, 7326..7457, 7631..7735, 7818..8105,		

8736..8867, 8741..8866, 8885..9133, 8886..8924, 8982..9131,
9128..9241, 9266..9325, 9274..9309, 9344..9496, 9379..9495,
9521..9592, 9526..9594

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o5.tm	Method	TBLASTX:Maize
Start	5995	End	6411
GI	none	Score	74
Exons	5995..6189, 6270..6407, 6271..6411		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o2.tc	Method	TBLASTX:Cress
Start	6013	End	9592
GI	none	Score	75
Exons	6013..6150, 6081..6149, 6270..6410, 6271..6411, 6936..6980, 6998..7081, 7011..7247, 7269..7487, 7280..7450, 7860..8033, 8741..8854, 8742..8852, 8874..8924, 8982..9041, 9060..9131, 9128..9214, 9533..9592		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o2.tm	Method	TBLASTX:Maize
Start	6984	End	7462
GI	none	Score	540
Exons	6984..7460, 6992..7087, 7133..7462		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o4.tw	Method	TBLASTX:Wheat
Start	7164	End	7463
GI	none	Score	47
Exons	7164..7280, 7166..7246, 7265..7450, 7266..7463		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o6.tm	Method	TBLASTX:Maize
Start	7854	End	9122
GI	none	Score	66
Exons	7854..8033, 8742..8852, 8744..8854, 8876..8983, 8878..8922, 8900..9019, 8982..9020, 9002..9118, 9060..9122		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o2.tw	Method	TBLASTX:Wheat
Start	9113	End	9475
GI	none	Score	39
Exons	9113..9211, 9114..9137, 9122..9217, 9266..9322, 9274..9318, 9326..9475, 9335..9475		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o3.tm	Method	TBLASTX:Maize
Start	9122	End	9597
GI	none	Score	126
Exons	9122..9247, 9257..9319, 9274..9318, 9296..9319, 9335..9496, 9338..9496, 9370..9519, 9505..9597, 9509..9592		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o4.gs	Method	GENSCAN
Start	14407	End	15396
GI	none	Score	.98
Exons	14407..15396		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o4.gp	Method	AAT/GAP
Start	14519	End	14983
GI	LIB3432-015-P1-K1-G6	Score	870
Exons	14519..14983		
GI Descrip.	'4826399/emb CAB42872.1 2.0e-33 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o3.np	Method	AAT/NAP
Start	14535	End	15462
GI	3549626	Score	755
Exons	14535..15462		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o1.tc	Method	TBLASTX:Cress
Start	14542	End	15406
GI	none	Score	97
Exons	14542..14652, 14743..14991, 14743..15075, 14852..15070, 15094..15393, 15104..15295, 15104..15406		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o1.tm	Method	TBLASTX:Maize
Start	14548	End	15393
GI	none	Score	123
Exons	14548..14661, 14746..15003, 14746..15072, 14852..15067, 15088..15393, 15110..15298		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462

Name	OJ990415_12.9C10.C46.o1.ts	Method	TBLASTX:Soybean
Start	14689	End	15459
GI	none	Score	96
Exons	14689..15075, 14758..15069, 14915..15070, 15076..15252, 15098..15262, 15241..15393, 15424..15459		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o3.tw	Method	TBLASTX:Wheat
Start	14752	End	15018
GI	none	Score	71
Exons	14752..14886, 14755..14892, 14899..15018		

Seq. No.	23522	Seq. ID	OJ990415_12.9C10.C46
Gene No.	48934	Strand	-
Start	14407	End	15462
Name	OJ990415_12.9C10.C46.o1.tw	Method	TBLASTX:Wheat
Start	15020	End	15437
GI	none	Score	39
Exons	15020..15070, 15082..15408, 15087..15245, 15110..15283, 15267..15437		

Seq. No.	23523	Seq. ID	OJ990415_12.9C10.C47
Gene No.	48935	Strand	-
Start	1	End	1584
Name	OJ990415_12.9C10.C47.o1.np	Method	AAT/NAP
Start	1	End	1584
GI	4966347	Score	415
Exons	1..604, 766..846, 1535..1584		
GI Descrip.	(AC006341) Similar to gb AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	23523	Seq. ID	OJ990415_12.9C10.C47
Gene No.	48935	Strand	-
Start	1	End	1584
Name	OJ990415_12.9C10.C47.o1.ts	Method	TBLASTX:Soybean
Start	61	End	518
GI	none	Score	64
Exons	61..99, 132..269, 132..278, 133..288, 267..419, 450..518		

Seq. No.	23523	Seq. ID	OJ990415_12.9C10.C47
Gene No.	48935	Strand	-
Start	1	End	1584
Name	OJ990415_12.9C10.C47.o1.tm	Method	TBLASTX:Maize
Start	64	End	512
GI	none	Score	147
Exons	64..96, 132..419, 136..324, 450..512		

Seq. No.	23523	Seq. ID	OJ990415_12.9C10.C47
Gene No.	48935	Strand	-
Start	1	End	1584
Name	OJ990415_12.9C10.C47.o1.gs	Method	GENSCAN
Start	78	End	846
GI	none	Score	.84
Exons	78..601, 712..846		

Seq. No.	23523	Seq. ID	OJ990415_12.9C10.C47
Gene No.	48935	Strand	-
Start	1	End	1584
Name	OJ990415_12.9C10.C47.o1.tw	Method	TBLASTX:Wheat
Start	121	End	463
GI	none	Score	66
Exons	121..411, 131..271, 132..434, 136..309, 293..463		

Seq. No.	23523	Seq. ID	OJ990415_12.9C10.C47
Gene No.	48935	Strand	-
Start	1	End	1584
Name	OJ990415_12.9C10.C47.o1.tc	Method	TBLASTX:Cress
Start	132	End	1583
GI	none	Score	156
Exons	132..419, 133..321, 450..521, 1536..1583		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48936	Strand	+
Start	1524	End	2043
Name	OJ990415_12.9C10.C48.o2.np	Method	AAT/NAP
Start	1524	End	2043
GI	2346984	Score	150
Exons	1524..2043		
GI Descrip.	(AB006604) ZPT2-9 [Petunia x hybrida]		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48937	Strand	+
Start	2516	End	3803
Name	OJ990415_12.9C10.C48.o2.gs	Method	GENSCAN
Start	2516	End	3595
GI	none	Score	1
Exons	2516..3595		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48937	Strand	+
Start	2516	End	3803
Name	OJ990415_12.9C10.C48.o3.np	Method	AAT/NAP
Start	2522	End	3803
GI	4886978	Score	301
Exons	2522..3244, 3686..3803		
GI Descrip.	(AF121908) cytosolic phospholipase A2 beta; cPLA2beta [Homo sapiens]		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48938	Strand	-
Start	438	End	2130
Name	OJ990415_12.9C10.C48.o1.gs	Method	GENSCAN
Start	438	End	2130
GI	none	Score	.51
Exons	438..565, 706..913, 1075..1191, 1215..1334, 1576..2130		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48939	Strand	-
Start	4441	End	4970
Name	OJ990415_12.9C10.C48.o4.np	Method	AAT/NAP
Start	4432	End	4854
GI	3128177	Score	342

Exons 4432..4854
GI Descrip. (AC004521) unknown protein [Arabidopsis thaliana]

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48939	Strand	-
Start	4441	End	4970
Name	OJ990415_12.9C10.C48.o3.gs	Method	GENSCAN
Start	4441	End	4854
GI	none	Score	.95
Exons	4441..4854		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48939	Strand	-
Start	4441	End	4970
Name	OJ990415_12.9C10.C48.o1.gp	Method	AAT/GAP
Start	4514	End	4970
GI	59652_1.R1084	Score	860
Exons	4514..4970		
GI Descrip.	'3128177 1.0e-26 (AC004521) unknown protein [Arabidopsis thaliana]'		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o1.ts	Method	TBLASTX:Soybean
Start	4459	End	4858
GI	none	Score	139
Exons	4459..4650, 4481..4612, 4669..4854, 4676..4858		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o1.tc	Method	TBLASTX:Cress
Start	4492	End	4854
GI	none	Score	94
Exons	4492..4650, 4493..4612, 4669..4854, 4676..4849		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o1.tm	Method	TBLASTX:Maize
Start	4573	End	4866
GI	none	Score	251
Exons	4573..4866, 4574..4858		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o2.tw	Method	TBLASTX:Wheat
Start	4682	End	4858
GI	none	Score	199
Exons	4682..4858, 4684..4854		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o2.gp	Method	AAT/GAP

Start	5593	End	6747
GI	294_7.R1084	Score	956
Exons	5593..5934, 6342..6408, 6526..6747		
GI Descrip.	'322750/pir S28420 2.0e-33 ubiquitin / ribosomal protein CEP52 - wood tobacco >gi_170217 (M74100) ubiquitin fusion protein [Nicotiana sylvestris]'		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o4.gs	Method	GENSCAN
Start	5890	End	6733
GI	none	Score	.74
Exons	5890..5934, 6342..6408, 6526..6733		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o5.np	Method	AAT/NAP
Start	6318	End	7639
GI	2144734	Score	278
Exons	6318..6408, 6526..6733, 7612..7639		
GI Descrip.	polyubiquitin / ribosomal protein CEP52 - Trypanosoma cruzi gi 162337 (J03945) ubiquitin precursor [Trypanosoma cruzi]		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o2.tc	Method	TBLASTX:Cress
Start	6327	End	6740
GI	none	Score	58
Exons	6327..6410, 6338..6412, 6346..6417, 6525..6590, 6625..6735, 6639..6740		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o2.ts	Method	TBLASTX:Soybean
Start	6327	End	6740
GI	none	Score	71
Exons	6327..6410, 6337..6417, 6523..6591, 6525..6590, 6628..6735, 6639..6740		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o2.tm	Method	TBLASTX:Maize
Start	6327	End	6740
GI	none	Score	75
Exons	6327..6410, 6337..6417, 6338..6418, 6523..6585, 6523..6570, 6525..6590, 6625..6735, 6639..6740		

Seq. No.	23524	Seq. ID	OJ990415_12.9C10.C48
Gene No.	48940	Strand	-
Start	5890	End	7639
Name	OJ990415_12.9C10.C48.o1.tw	Method	TBLASTX:Wheat
Start	6337	End	6735

GI	none	Score	108
Exons	6337..6417, 6339..6410, 6346..6417, 6523..6585, 6525..6584, 6625..6735, 6643..6735		

Seq. No.	23525	Seq. ID	OJ990415_12.9C10.C49
Gene No.	48941	Strand	-
Start	699	End	928
Name	OJ990415_12.9C10.C49.o1.np	Method	AAT/NAP
Start	699	End	928
GI	1076678	Score	125
Exons	699..928		
GI Descrip.	ubiquitin / ribosomal protein S27a - potato (fragment)		

Seq. No.	23525	Seq. ID	OJ990415_12.9C10.C49
Gene No.	48941	Strand	-
Start	699	End	928
Name	OJ990415_12.9C10.C49.o1.tc	Method	TBLASTX:Cress
Start	700	End	820
GI	none	Score	92
Exons	700..816, 701..817, 709..777, 763..813, 770..820		

Seq. No.	23525	Seq. ID	OJ990415_12.9C10.C49
Gene No.	48941	Strand	-
Start	699	End	928
Name	OJ990415_12.9C10.C49.o1.tm	Method	TBLASTX:Maize
Start	700	End	831
GI	none	Score	87
Exons	700..816, 701..817, 757..831		

Seq. No.	23525	Seq. ID	OJ990415_12.9C10.C49
Gene No.	48941	Strand	-
Start	699	End	928
Name	OJ990415_12.9C10.C49.o1.tw	Method	TBLASTX:Wheat
Start	700	End	831
GI	none	Score	73
Exons	700..813, 700..813, 700..810, 701..814, 701..820, 701..811, 760..831		

Seq. No.	23525	Seq. ID	OJ990415_12.9C10.C49
Gene No.	48941	Strand	-
Start	699	End	928
Name	OJ990415_12.9C10.C49.o1.ts	Method	TBLASTX:Soybean
Start	700	End	829
GI	none	Score	78
Exons	700..813, 701..829		

Seq. No.	23525	Seq. ID	OJ990415_12.9C10.C49
Gene No.	48941	Strand	-
Start	699	End	928
Name	OJ990415_12.9C10.C49.o1.gs	Method	GENSCAN
Start	705	End	907
GI	none	Score	.81
Exons	705..907		

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48942	Strand	+
Start	9592	End	11025

Name	OJ990415_12.9C10.C50.o3.gp	Method	AAT/GAP
Start	9554	End	9755
GI	571895	Score	372
Exons	9554..9755		
Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48942	Strand	+
Start	9592	End	11025
Name	OJ990415_12.9C10.C50.o3.np	Method	AAT/NAP
Start	9592	End	11022
GI	2244886	Score	457
Exons	9592..11022		
GI Descrip.	(Z97338) UTP-glucose glucosyltransferase [Arabidopsis thaliana]		
Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48942	Strand	+
Start	9592	End	11025
Name	OJ990415_12.9C10.C50.o5.gs	Method	GENSCAN
Start	9592	End	11025
GI	none	Score	.99
Exons	9592..11025		
Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48943	Strand	-
Start	745	End	1167
Name	OJ990415_12.9C10.C50.o1.gs	Method	GENSCAN
Start	745	End	1167
GI	none	Score	1
Exons	745..1167		
Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48944	Strand	-
Start	2960	End	4580
Name	OJ990415_12.9C10.C50.o1.gp	Method	AAT/GAP
Start	2763	End	3674
GI	89744_1.R1084	Score	659
Exons	2763..3001, 3373..3437, 3608..3674		
GI Descrip.	'3128177 1.0e-19 (AC004521) unknown protein [Arabidopsis thaliana]'		
Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48944	Strand	-
Start	2960	End	4580
Name	OJ990415_12.9C10.C50.o2.gs	Method	GENSCAN
Start	2960	End	4536
GI	none	Score	.9
Exons	2960..3001, 3373..3415, 3608..3815, 4434..4536		
Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48944	Strand	-
Start	2960	End	4580
Name	OJ990415_12.9C10.C50.o1.np	Method	AAT/NAP
Start	3349	End	4536
GI	280386	Score	460
Exons	3349..3439, 3608..3815, 4434..4536		
GI Descrip.	ubiquitin / ribosomal protein CEP52 - Arabidopsis thaliana gi 166930 (J05507) ubiquitin extension protein (UBQ1)		

[Arabidopsis thaliana] gi|166932 (J05508) ubiquitin extension protein (UBQ2) [Arabidopsis thaliana] gi|4886268|emb|CAB43405.1| (AL050300) ubiquitin / ribosomal protein CEP52 [Arabidopsis thaliana] gi|6598636|gb|AAD21428.2| (AC006921) putative ubiquitin/ribosomal p

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48944	Strand	-
Start	2960	End	4580
Name	OJ990415_12.9C10.C50.o2.gp	Method	AAT/GAP
Start	3686	End	4580
GI	1944229	Score	470
Exons	3686..3815, 4434..4580		
GI Descrip.	2760345 1.0e-28 (U84967) ubiquitin [Arabidopsis thaliana]		

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48945	Strand	-
Start	5328	End	5757
Name	OJ990415_12.9C10.C50.o2.ts	Method	TBLASTX:Soybean
Start	766	End	5753
GI	none	Score	69
Exons	766..939, 788..874, 991..1167, 992..1171, 5346..5537, 5368..5520, 5559..5753, 5569..5748		

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48945	Strand	-
Start	5328	End	5757
Name	OJ990415_12.9C10.C50.o2.tc	Method	TBLASTX:Cress
Start	799	End	5744
GI	none	Score	61
Exons	799..939, 800..871, 991..1167, 1046..1162, 5379..5537, 5391..5537, 5559..5744, 5623..5739		

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48945	Strand	-
Start	5328	End	5757
Name	OJ990415_12.9C10.C50.o2.tm	Method	TBLASTX:Maize
Start	880	End	5757
GI	none	Score	73
Exons	880..939, 936..977, 972..1034, 982..1038, 991..1170, 992..1171, 5460..5558, 5460..5558, 5468..5569, 5535..5744, 5556..5615, 5569..5757		

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48945	Strand	-
Start	5328	End	5757
Name	OJ990415_12.9C10.C50.o2.tw	Method	TBLASTX:Wheat
Start	995	End	5748
GI	none	Score	191
Exons	995..1171, 997..1167, 5572..5748, 5574..5744		

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48945	Strand	-
Start	5328	End	5757
Name	OJ990415_12.9C10.C50.o3.tm	Method	TBLASTX:Maize
Start	3367	End	4543
GI	none	Score	82

Exons 3367..3444, 3374..3445, 3605..3667, 3607..3672, 3707..3817,
3721..3816, 3757..3822, 4430..4540, 4432..4539, 4496..4543

Seq. No. 23526 Seq. ID OJ990415_12.9C10.C50
Gene No. 48945 Strand -
Start 5328 End 5757
Name OJ990415_12.9C10.C50.o3.ts Method TBLASTX:Soybean
Start 3367 End 4539
GI none Score 84
Exons 3367..3444, 3374..3445, 3605..3673, 3607..3672, 3710..3817,
3721..3816, 4430..4537, 4432..4539

Seq. No. 23526 Seq. ID OJ990415_12.9C10.C50
Gene No. 48945 Strand -
Start 5328 End 5757
Name OJ990415_12.9C10.C50.o3.tc Method TBLASTX:Cress
Start 3581 End 4554
GI none Score 44
Exons 3581..3667, 3583..3672, 3710..3817, 3721..3816, 3722..3817,
4430..4537, 4432..4554

Seq. No. 23526 Seq. ID OJ990415_12.9C10.C50
Gene No. 48945 Strand -
Start 5328 End 5757
Name OJ990415_12.9C10.C50.o3.tw Method TBLASTX:Wheat
Start 3605 End 4555
GI none Score 50
Exons 3605..3673, 3607..3672, 3707..3817, 3710..3817, 3710..3817,
3721..3816, 3721..3816, 3721..3816, 3757..3822, 3757..3822,
4430..4543, 4430..4555, 4430..4540, 4432..4551, 4432..4551,
4432..4539

Seq. No. 23526 Seq. ID OJ990415_12.9C10.C50
Gene No. 48945 Strand -
Start 5328 End 5757
Name OJ990415_12.9C10.C50.o2.np Method AAT/NAP
Start 5319 End 5744
GI 3128177 Score 327
Exons 5319..5744
GI Descrip. (AC004521) unknown protein [Arabidopsis thaliana]

Seq. No. 23526 Seq. ID OJ990415_12.9C10.C50
Gene No. 48945 Strand -
Start 5328 End 5757
Name OJ990415_12.9C10.C50.o3.gs Method GENSCAN
Start 5328 End 5744
GI none Score .98
Exons 5328..5744

Seq. No. 23526 Seq. ID OJ990415_12.9C10.C50
Gene No. 48946 Strand -
Start 7654 End 11031
Name OJ990415_12.9C10.C50.o1.tw Method TBLASTX:Wheat
Start 7654 End 10815
GI none Score 114
Exons 7654..7734, 7789..7977, 7812..7922, 10495..10554, 10590..10772,
10591..10815

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48946	Strand	
Start	7654	End	11031
Name	OJ990415_12.9C10.C50.o1.tm	Method	TBLASTX:Maize
Start	7673	End	11031
GI	none	Score	34
Exons	7673..7699, 7789..7998, 7816..7989, 8005..8061, 9595..9711, 9931..10053, 10213..10359, 10237..10362, 10420..10572, 10422..10571, 10499..10645, 10561..10833, 10575..10772, 10804..11031		

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48946	Strand	
Start	7654	End	11031
Name	OJ990415_12.9C10.C50.o1.tc	Method	TBLASTX:Cress
Start	7789	End	10893
GI	none	Score	139
Exons	7789..7956, 10195..10302, 10318..10362, 10405..10491, 10467..10553, 10471..10554, 10578..10772, 10588..10893		

Seq. No.	23526	Seq. ID	OJ990415_12.9C10.C50
Gene No.	48946	Strand	
Start	7654	End	11031
Name	OJ990415_12.9C10.C50.o1.ts	Method	TBLASTX:Soybean
Start	7789	End	10998
GI	none	Score	158
Exons	7789..8070, 7852..7992, 9592..9705, 10410..10472, 10411..10473, 10474..10554, 10575..10772, 10576..10998		

Seq. No.	23527	Seq. ID	OJ990415_12.9C10.C52
Gene No.	48947	Strand	+
Start	1	End	1378
Name	OJ990415_12.9C10.C52.o1.np	Method	AAT/NAP
Start	1	End	761
GI	81286	Score	122
Exons	1..761		
GI Descrip.	extensin - Volvox carteri (fragment) gi 21992 emb CAA46283 (X65165) extensin [Volvox carteri]		

Seq. No.	23527	Seq. ID	OJ990415_12.9C10.C52
Gene No.	48947	Strand	+
Start	1	End	1378
Name	OJ990415_12.9C10.C52.o1.gs	Method	GENSCAN
Start	5	End	1378
GI	none	Score	.55
Exons	5..222, 1174..1378		

Seq. No.	23527	Seq. ID	OJ990415_12.9C10.C52
Gene No.	48948	Strand	+
Start	2072	End	3497
Name	OJ990415_12.9C10.C52.o3.np	Method	AAT/NAP
Start	2072	End	3497
GI	5852084	Score	77
Exons	2072..2134, 3409..3497		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	23527	Seq. ID	OJ990415_12.9C10.C52
Gene No.	48949	Strand	+
Start	4231	End	5723
Name	OJ990415_12.9C10.C52.o2.gs	Method	GENSCAN
Start	4231	End	5723
GI	none	Score	.44
Exons	4231..4552, 5055..5069, 5695..5723		

Seq. No.	23527	Seq. ID	OJ990415_12.9C10.C52
Gene No.	48950	Strand	-
Start	1084	End	2660
Name	OJ990415_12.9C10.C52.o2.np	Method	AAT/NAP
Start	1084	End	2660
GI	4680186	Score	149
Exons	1084..1160, 2497..2660		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48951	Strand	+
Start	3371	End	4836
Name	OJ990415_12.9C10.C53.o1.gp	Method	AAT/GAP
Start	3371	End	3587
GI	571895	Score	279
Exons	3371..3587		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48951	Strand	+
Start	3371	End	4836
Name	OJ990415_12.9C10.C53.o1.gs	Method	GENSCAN
Start	3424	End	4833
GI	none	Score	.74
Exons	3424..4217, 4254..4833		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48951	Strand	+
Start	3371	End	4836
Name	OJ990415_12.9C10.C53.o1.np	Method	AAT/NAP
Start	3715	End	4836
GI	4115538	Score	464
Exons	3715..4836		
GI Descrip.	(AB012116) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48952	Strand	+
Start	6636	End	11707
Name	OJ990415_12.9C10.C53.o3.np	Method	AAT/NAP
Start	6636	End	11707
GI	4680186	Score	358
Exons	6636..7014, 7126..7282, 10642..10937, 11605..11707		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48952	Strand	+
Start	6636	End	11707
Name	OJ990415_12.9C10.C53.o3.gs	Method	GENSCAN
Start	9218	End	10060

GI	none	Score	.78
Exons	9218..9480, 9514..9872, 9969..10060		
Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48953	Strand	+
Start	12116	End	13059
Name	OJ990415_12.9C10.C53.o5.np	Method	AAT/NAP
Start	12116	End	13059
GI	4680184	Score	532
Exons	12116..12559, 12602..13059		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48954	Strand	-
Start	5226	End	6121
Name	OJ990415_12.9C10.C53.o2.np	Method	AAT/NAP
Start	5217	End	5639
GI	3128177	Score	323
Exons	5217..5639		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48954	Strand	-
Start	5226	End	6121
Name	OJ990415_12.9C10.C53.o2.gs	Method	GENSCAN
Start	5226	End	6121
GI	none	Score	.81
Exons	5226..5652, 5991..6121		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48954	Strand	-
Start	5226	End	6121
Name	OJ990415_12.9C10.C53.o2.gp	Method	AAT/GAP
Start	5333	End	5701
GI	2280576	Score	705
Exons	5333..5701		
GI Descrip.	3128177 1.0e-19 (AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o1.tm	Method	TBLASTX:Maize
Start	3385	End	4820
GI	none	Score	79
Exons	3385..3543, 3427..3543, 4051..4176, 4054..4173, 4216..4245, 4218..4244, 4236..4280, 4243..4281, 4300..4374, 4301..4366, 4308..4373, 4349..4408, 4388..4414, 4389..4463, 4390..4647, 4426..4581, 4503..4586, 4618..4818, 4701..4820		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o1.ts	Method	TBLASTX:Soybean
Start	3424	End	4812
GI	none	Score	74
Exons	3424..3537, 4218..4280, 4219..4281, 4300..4374, 4311..4367,		

4389..4598, 4390..4812

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o1.tc	Method	TBLASTX:Cress
Start	4051	End	4707
GI	none	Score	59
Exons	4051..4116, 4132..4176, 4201..4278, 4218..4277, 4306..4380, 4308..4370, 4392..4595, 4402..4707		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o1.tw	Method	TBLASTX:Wheat
Start	4312	End	4629
GI	none	Score	65
Exons	4312..4371, 4404..4586, 4405..4629		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o2.ts	Method	TBLASTX:Soybean
Start	5244	End	5648
GI	none	Score	113
Exons	5244..5435, 5266..5418, 5454..5648, 5464..5643		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o2.tc	Method	TBLASTX:Cress
Start	5277	End	5639
GI	none	Score	97
Exons	5277..5435, 5278..5397, 5286..5435, 5454..5639, 5464..5634		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o2.tm	Method	TBLASTX:Maize
Start	5358	End	5652
GI	none	Score	113
Exons	5358..5492, 5358..5639, 5359..5652		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o2.tw	Method	TBLASTX:Wheat
Start	5467	End	5643
GI	none	Score	198
Exons	5467..5643, 5469..5639		

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o4.np	Method	AAT/NAP
Start	10951	End	13059
GI	5777623	Score	156

Exons 10951..11194, 12203..13059
GI Descrip. (AJ245900) CAA303711.1 protein [Oryza sativa]

Seq. No.	23528	Seq. ID	OJ990415_12.9C10.C53
Gene No.	48955	Strand	-
Start	10951	End	13059
Name	OJ990415_12.9C10.C53.o4.gs	Method	GENSCAN
Start	11410	End	13006
GI	none	Score	.58
Exons	11410..11480, 12125..12283, 12305..12505, 12695..12866, 12902..13006		

Seq. No.	23529	Seq. ID	OJ990415_12.9C10.C54
Gene No.	48956	Strand	+
Start	80	End	828
Name	OJ990415_12.9C10.C54.o1.gs	Method	GENSCAN
Start	80	End	828
GI	none	Score	.62
Exons	80..201, 606..828		

Seq. No.	23529	Seq. ID	OJ990415_12.9C10.C54
Gene No.	48956	Strand	+
Start	80	End	828
Name	OJ990415_12.9C10.C54.o1.np	Method	AAT/NAP
Start	490	End	657
GI	4680183	Score	52
Exons	490..657		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	23530	Seq. ID	OJ990415_12.9C10.C55
Gene No.	48957	Strand	+
Start	1	End	396
Name	OJ990415_12.9C10.C55.o1.np	Method	AAT/NAP
Start	1	End	393
GI	4680179	Score	689
Exons	1..393		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23530	Seq. ID	OJ990415_12.9C10.C55
Gene No.	48957	Strand	+
Start	1	End	396
Name	OJ990415_12.9C10.C55.o1.tm	Method	TBLASTX:Maize
Start	4	End	252
GI	none	Score	287
Exons	4..252, 6..215, 106..234		

Seq. No.	23530	Seq. ID	OJ990415_12.9C10.C55
Gene No.	48957	Strand	+
Start	1	End	396
Name	OJ990415_12.9C10.C55.o1.tw	Method	TBLASTX:Wheat
Start	4	End	348
GI	none	Score	394
Exons	4..348, 6..68, 43..123, 108..224, 166..327		

Seq. No.	23530	Seq. ID	OJ990415_12.9C10.C55
Gene No.	48957	Strand	+
Start	1	End	396

Name	OJ990415_12.9C10.C55.o1.gs	Method	GENSCAN
Start	94	End	396
GI	none	Score	.98
Exons	94..396		
Seq. No.	23531	Seq. ID	OJ990415_12.9C10.C56
Gene No.	48958	Strand	-
Start	342	End	677
Name	OJ990415_12.9C10.C56.o1.gs	Method	GENSCAN
Start	342	End	623
GI	none	Score	.71
Exons	342..623		
Seq. No.	23531	Seq. ID	OJ990415_12.9C10.C56
Gene No.	48958	Strand	-
Start	342	End	677
Name	OJ990415_12.9C10.C56.o1.np	Method	AAT/NAP
Start	350	End	677
GI	4115536	Score	216
Exons	350..677		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		
Seq. No.	23531	Seq. ID	OJ990415_12.9C10.C56
Gene No.	48958	Strand	-
Start	342	End	677
Name	OJ990415_12.9C10.C56.o1.ts	Method	TBLASTX:Soybean
Start	369	End	675
GI	none	Score	60
Exons	369..665, 595..666, 661..675		
Seq. No.	23531	Seq. ID	OJ990415_12.9C10.C56
Gene No.	48958	Strand	-
Start	342	End	677
Name	OJ990415_12.9C10.C56.o1.tm	Method	TBLASTX:Maize
Start	471	End	675
GI	none	Score	64
Exons	471..665, 594..659, 595..666, 661..675		
Seq. No.	23532	Seq. ID	OJ990415_12.9C10.C57
Gene No.	48959	Strand	+
Start	93	End	251
Name	OJ990415_12.9C10.C57.o1.gs	Method	GENSCAN
Start	93	End	251
GI	none	Score	.58
Exons	93..251		
Seq. No.	23532	Seq. ID	OJ990415_12.9C10.C57
Gene No.	48960	Strand	-
Start	122	End	267
Name	OJ990415_12.9C10.C57.o1.gp	Method	AAT/GAP
Start	122	End	267
GI	61605_3.R1084	Score	236
Exons	122..267		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	23533	Seq. ID	OJ990415_12.9C10.C59
Gene No.	48961	Strand	+
Start	1	End	624
Name	OJ990415_12.9C10.C59.o1.np	Method	AAT/NAP
Start	1	End	608
GI	6721520	Score	272
Exons	1..114, 204..375, 443..608		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	23533	Seq. ID	OJ990415_12.9C10.C59
Gene No.	48961	Strand	+
Start	1	End	624
Name	OJ990415_12.9C10.C59.o1.gp	Method	AAT/GAP
Start	146	End	257
GI	5607469	Score	144
Exons	146..257		

Seq. No.	23533	Seq. ID	OJ990415_12.9C10.C59
Gene No.	48961	Strand	+
Start	1	End	624
Name	OJ990415_12.9C10.C59.o1.gs	Method	GENSCAN
Start	177	End	608
GI	none	Score	.59
Exons	177..608		

Seq. No.	23533	Seq. ID	OJ990415_12.9C10.C59
Gene No.	48961	Strand	+
Start	1	End	624
Name	OJ990415_12.9C10.C59.o1.ts	Method	TBLASTX:Soybean
Start	190	End	624
GI	none	Score	173
Exons	190..381, 213..380, 468..605, 469..624		

Seq. No.	23533	Seq. ID	OJ990415_12.9C10.C59
Gene No.	48961	Strand	+
Start	1	End	624
Name	OJ990415_12.9C10.C59.o1.tm	Method	TBLASTX:Maize
Start	193	End	616
GI	none	Score	74
Exons	193..387, 468..605, 469..609, 557..616		

Seq. No.	23533	Seq. ID	OJ990415_12.9C10.C59
Gene No.	48961	Strand	+
Start	1	End	624
Name	OJ990415_12.9C10.C59.o1.tc	Method	TBLASTX:Cress
Start	276	End	624
GI	none	Score	126
Exons	276..374, 277..396, 468..605, 469..624		

Seq. No.	23534	Seq. ID	OJ990415_12.9C10.C60
Gene No.	48962	Strand	-
Start	386	End	808
Name	OJ990415_12.9C10.C60.o1.np	Method	AAT/NAP
Start	386	End	808
GI	3128177	Score	322

Exons 386..808
 GI Descrip. (AC004521) unknown protein [Arabidopsis thaliana]

Seq. No.	23534	Seq. ID	OJ990415_12.9C10.C60
Gene No.	48962	Strand	-
Start	386	End	808
Name	OJ990415_12.9C10.C60.o1.gs	Method	GENSCAN
Start	395	End	763
GI	none	Score	.92
Exons	395..763		

Seq. No.	23534	Seq. ID	OJ990415_12.9C10.C60
Gene No.	48962	Strand	-
Start	386	End	808
Name	OJ990415_12.9C10.C60.o1.ts	Method	TBLASTX:Soybean
Start	413	End	808
GI	none	Score	71
Exons	413..604, 435..587, 626..808, 636..806		

Seq. No.	23534	Seq. ID	OJ990415_12.9C10.C60
Gene No.	48962	Strand	-
Start	386	End	808
Name	OJ990415_12.9C10.C60.o1.tc	Method	TBLASTX:Cress
Start	446	End	806
GI	none	Score	82
Exons	446..604, 458..604, 626..805, 690..806		

Seq. No.	23534	Seq. ID	OJ990415_12.9C10.C60
Gene No.	48962	Strand	-
Start	386	End	808
Name	OJ990415_12.9C10.C60.o1.tm	Method	TBLASTX:Maize
Start	527	End	808
GI	none	Score	92
Exons	527..625, 527..625, 535..636, 602..808, 623..682, 636..806		

Seq. No.	23534	Seq. ID	OJ990415_12.9C10.C60
Gene No.	48962	Strand	-
Start	386	End	808
Name	OJ990415_12.9C10.C60.o1.tw	Method	TBLASTX:Wheat
Start	639	End	808
GI	none	Score	194
Exons	639..806, 641..808		

Seq. No.	23535	Seq. ID	OJ990415_12.9C10.C61
Gene No.	48963	Strand	-
Start	425	End	510
Name	OJ990415_12.9C10.C61.o1.gs	Method	GENSCAN
Start	425	End	510
GI	none	Score	.67
Exons	425..510		

Seq. No.	23536	Seq. ID	OJ990915_10.9C17.C2
Gene No.	48964	Strand	-
Start	321	End	4011
Name	OJ990915_10.9C17.C2.o1.np	Method	AAT/NAP
Start	321	End	4011
GI	4680204	Score	1007

Exons 321..458, 810..1027, 1121..1294, 1403..2500, 2575..4011
 GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	23536	Seq. ID	OJ990915_10.9C17.C2
Gene No.	48964	Strand	-
Start	321	End	4011
Name	OJ990915_10.9C17.C2.o2.gs	Method	GENSCAN
Start	871	End	3996
GI	none	Score	.73
Exons	871..1027, 1121..1294, 1403..1679, 1742..1858, 1879..2086, 2088..2233, 2359..2500, 2575..2694, 2740..3179, 3336..3996		

Seq. No.	23536	Seq. ID	OJ990915_10.9C17.C2
Gene No.	48964	Strand	-
Start	321	End	4011
Name	OJ990915_10.9C17.C2.o1.gp	Method	AAT/GAP
Start	1503	End	1979
GI	uC-osflcyp176f10b1	Score	788
Exons	1503..1979		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	23536	Seq. ID	OJ990915_10.9C17.C2
Gene No.	48964	Strand	-
Start	321	End	4011
Name	OJ990915_10.9C17.C2.o4.np	Method	AAT/NAP
Start	1797	End	4011
GI	4680204	Score	927
Exons	1797..2500, 2575..4011		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	23536	Seq. ID	OJ990915_10.9C17.C2
Gene No.	48965	Strand	-
Start	4802	End	4875
Name	OJ990915_10.9C17.C2.o2.gp	Method	AAT/GAP
Start	4802	End	4875
GI	3760640	Score	89
Exons	4802..4875		
GI Descrip.	4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	23536	Seq. ID	OJ990915_10.9C17.C2
Gene No.	48966	Strand	-
Start	4888	End	5580
Name	OJ990915_10.9C17.C2.o2.tw	Method	TBLASTX:Wheat
Start	958	End	1476
GI	none	Score	68
Exons	958..1029, 1126..1299, 1133..1258, 1396..1476		

Seq. No.	23536	Seq. ID	OJ990915_10.9C17.C2
Gene No.	48966	Strand	-
Start	4888	End	5580
Name	OJ990915_10.9C17.C2.o1.tw	Method	TBLASTX:Wheat
Start	2965	End	3368
GI	none	Score	84
Exons	2965..3135, 3098..3265, 3130..3366, 3217..3366, 3228..3368,		

3288..3368

Seq. No.	23536	Seq. ID	OJ990915_10.9C17.C2
Gene No.	48966	Strand	-
Start	4888	End	5580
Name	OJ990915_10.9C17.C2.o3.gs	Method	GENSCAN
Start	4888	End	5580
GI	none	Score	.69
Exons	4888..5580		
Seq. No.	23537	Seq. ID	OJ990915_10.9C17.C3
Gene No.	48967	Strand	+
Start	899	End	1316
Name	OJ990915_10.9C17.C3.o4.gp	Method	AAT/GAP
Start	899	End	1316
GI	LIB3431-028-P1-N1-A10	Score	828
Exons	899..1316		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	23537	Seq. ID	OJ990915_10.9C17.C3
Gene No.	48968	Strand	-
Start	39	End	1754
Name	OJ990915_10.9C17.C3.o1.gp	Method	AAT/GAP
Start	39	End	1754
GI	342_1.R1084	Score	2552
Exons	39..545, 655..752, 835..854, 890..1754		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	23537	Seq. ID	OJ990915_10.9C17.C3
Gene No.	48968	Strand	-
Start	39	End	1754
Name	OJ990915_10.9C17.C3.o5.gp	Method	AAT/GAP
Start	175	End	1754
GI	342_1.R1084	Score	2319
Exons	175..545, 655..752, 835..854, 890..1754		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	23537	Seq. ID	OJ990915_10.9C17.C3
Gene No.	48968	Strand	-
Start	39	End	1754
Name	OJ990915_10.9C17.C3.o1.np	Method	AAT/NAP
Start	956	End	1754
GI	4680203	Score	766
Exons	956..1754		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	23537	Seq. ID	OJ990915_10.9C17.C3
Gene No.	48968	Strand	-
Start	39	End	1754
Name	OJ990915_10.9C17.C3.o1.gs	Method	GENSCAN
Start	962	End	1600
GI	none	Score	.85
Exons	962..1600		

Seq. No.	23537	Seq. ID	OJ990915_10.9C17.C3
Gene No.	48968	Strand	-
Start	39	End	1754
Name	OJ990915_10.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	1010	End	1753
GI	none	Score	52
Exons	1010..1102, 1011..1076, 1091..1171, 1176..1256, 1184..1324, 1185..1325, 1272..1367, 1304..1363, 1370..1414, 1375..1410, 1409..1753, 1425..1745		
Seq. No.	23538	Seq. ID	OJ990915_10.9C17.C4
Gene No.	48969	Strand	+
Start	603	End	892
Name	OJ990915_10.9C17.C4.o1.gp	Method	AAT/GAP
Start	603	End	892
GI	none	Score	447
Exons	603..892		
Seq. No.	23539	Seq. ID	OJ990915_10.9C17.C5
Gene No.	48970	Strand	+
Start	3371	End	3835
Name	OJ990915_10.9C17.C5.o1.gp	Method	AAT/GAP
Start	3371	End	3835
GI	1560 1.R1084	Score	594
Exons	3371..3402, 3493..3835		
GI Descrip.	'5777612/emb AJ245900.1 OSA245900 2.0e-09 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		
Seq. No.	23539	Seq. ID	OJ990915_10.9C17.C5
Gene No.	48971	Strand	+
Start	7438	End	9461
Name	OJ990915_10.9C17.C5.o1.np	Method	AAT/NAP
Start	7438	End	9461
GI	6721512	Score	50
Exons	7438..7457, 9363..9461		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23539	Seq. ID	OJ990915_10.9C17.C5
Gene No.	48972	Strand	+
Start	21128	End	22153
Name	OJ990915_10.9C17.C5.o6.gs	Method	GENSCAN
Start	21128	End	22153
GI	none	Score	.94
Exons	21128..22153		
Seq. No.	23539	Seq. ID	OJ990915_10.9C17.C5
Gene No.	48973	Strand	-
Start	1464	End	3112
Name	OJ990915_10.9C17.C5.o1.gs	Method	GENSCAN
Start	1464	End	3112
GI	none	Score	.93
Exons	1464..1478, 2331..2419, 3031..3112		
Seq. No.	23539	Seq. ID	OJ990915_10.9C17.C5
Gene No.	48974	Strand	-
Start	3916	End	4571
Name	OJ990915_10.9C17.C5.o2.gs	Method	GENSCAN

Start 3916
GI none
Exons 3916..4141, 4255..4571

End 4571
Score .77

Seq. No. 23539
Gene No. 48975
Start 6415
Name OJ990915_10.9C17.C5.o3.gs
Start 6415
GI none
Exons 6415..6567, 6660..6734

Seq. ID OJ990915_10.9C17.C5
Strand -
End 6734
Method GENSCAN
End 6734
Score .49

Seq. No. 23539
Gene No. 48976
Start 15417
Name OJ990915_10.9C17.C5.o2.np
Start 15417
GI 6907088
Exons 15417..15689, 19065..19180, 19677..19919, 20095..20232
GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. ID OJ990915_10.9C17.C5
Strand -
End 20232
Method AAT/NAP
End 20232
Score 501

Seq. No. 23540
Gene No. 48977
Start 306
Name OJ990915_10.9C17.C6.o1.gs
Start 306
GI none
Exons 306..665

Seq. ID OJ990915_10.9C17.C6
Strand +
End 665
Method GENSCAN
End 665
Score .74

Seq. No. 23541
Gene No. 48978
Start 4590
Name OJ990915_10.9C17.C7.o3.gs
Start 4590
GI none
Exons 4590..4808, 5518..5600, 6251..6614, 7074..7084, 7361..7590, 7683..7787, 7831..8093

Seq. ID OJ990915_10.9C17.C7
Strand +
End 8093
Method GENSCAN
End 8093
Score .55

Seq. No. 23541
Gene No. 48979
Start 10993
Name OJ990915_10.9C17.C7.o5.gs
Start 10993
GI none
Exons 10993..11379, 12179..12275, 12455..12534, 12648..12833, 12996..13403, 13476..13551, 13640..14302, 14465..14625, 14719..15153, 15214..15514, 15819..15908, 16458..16609

Seq. ID OJ990915_10.9C17.C7
Strand +
End 16609
Method GENSCAN
End 16609
Score .68

Seq. No. 23541
Gene No. 48980
Start 37218
Name OJ990915_10.9C17.C7.o4.np
Start 37218
GI 6539571
Exons 37218..37449
GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. ID OJ990915_10.9C17.C7
Strand +
End 37449
Method AAT/NAP
End 37449
Score 52

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48981	Strand	-
Start	1247	End	2368
Name	OJ990915_10.9C17.C7.o1.gs	Method	GENSCAN
Start	1247	End	2329
GI	none	Score	1
Exons	1247..2329		
Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48981	Strand	-
Start	1247	End	2368
Name	OJ990915_10.9C17.C7.o2.gp	Method	AAT/GAP
Start	1853	End	2368
GI	23753_1.R1084	Score	991
Exons	1853..2368		
GI Descrip.	'2462784/gb U73163 SEU73163 4.0e-14 Streptococcus equi M-like protein (szPSe) gene, complete cds'		
Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48982	Strand	-
Start	2730	End	3083
Name	OJ990915_10.9C17.C7.o2.gs	Method	GENSCAN
Start	2730	End	3083
GI	none	Score	.56
Exons	2730..3083		
Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48983	Strand	-
Start	8766	End	10257
Name	OJ990915_10.9C17.C7.o4.gs	Method	GENSCAN
Start	8766	End	10257
GI	none	Score	.78
Exons	8766..8900, 9439..9595, 9786..9933, 10170..10257		
Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48984	Strand	-
Start	16862	End	24262
Name	OJ990915_10.9C17.C7.o6.gs	Method	GENSCAN
Start	16862	End	19902
GI	none	Score	.81
Exons	16862..17628, 17977..18779, 18860..19902		
Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48984	Strand	-
Start	16862	End	24262
Name	OJ990915_10.9C17.C7.o1.np	Method	AAT/NAP
Start	16865	End	20797
GI	4206306	Score	3122
Exons	16865..20797		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48984	Strand	-
Start	16862	End	24262
Name	OJ990915_10.9C17.C7.o7.gs	Method	GENSCAN
Start	19988	End	24262
GI	none	Score	.42

Exons 19988..21109, 21155..21483, 21619..21773, 21861..21963,
22109..22905, 24153..24262

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48984	Strand	-
Start	16862	End	24262
Name	OJ990915_10.9C17.C7.o2.np	Method	AAT/NAP
Start	21173	End	23420
GI	6721562	Score	289
Exons	21173..21795, 22631..22861, 23249..23420		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi 6815087 dbj BAA90373.1 (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48985	Strand	-
Start	25825	End	27498
Name	OJ990915_10.9C17.C7.o3.gp	Method	AAT/GAP
Start	25825	End	27498
GI	3170_1.R1084	Score	2955
Exons	25825..26560, 26699..27498		
GI Descrip.	'487317/dbj D30004 RICEN5612 2.0e-34 Rice mRNA EN56, partial sequence'		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48985	Strand	-
Start	25825	End	27498
Name	OJ990915_10.9C17.C7.o8.gs	Method	GENSCAN
Start	26159	End	27408
GI	none	Score	.88
Exons	26159..27255, 27270..27408		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48985	Strand	-
Start	25825	End	27498
Name	OJ990915_10.9C17.C7.o3.np	Method	AAT/NAP
Start	26312	End	27482
GI	6458143	Score	200
Exons	26312..27190, 27357..27482		
GI Descrip.	(AE001904) hypothetical protein [Deinococcus radiodurans]		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48986	Strand	-
Start	28367	End	35379
Name	OJ990915_10.9C17.C7.o9.gs	Method	GENSCAN
Start	28367	End	35379
GI	none	Score	.4
Exons	28367..28436, 33488..33535, 34070..34350, 35323..35379		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o6.tw	Method	TBLASTX:Wheat
Start	16874	End	17470
GI	none	Score	100

Exons 16874..16999, 17192..17323, 17351..17470

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o5.tm	Method	TBLASTX:Maize
Start	17183	End	17425
GI	none	Score	192
Exons	17183..17425		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o3.ts	Method	TBLASTX:Soybean
Start	17441	End	17815
GI	none	Score	54
Exons	17441..17641, 17448..17618, 17672..17815, 17673..17786		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	17450	End	17818
GI	none	Score	172
Exons	17450..17818, 17457..17639, 17664..17726		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o4.tw	Method	TBLASTX:Wheat
Start	17588	End	17977
GI	none	Score	53
Exons	17588..17977, 17658..17711, 17766..17933		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o4.tm	Method	TBLASTX:Maize
Start	17818	End	18085
GI	none	Score	73
Exons	17818..18033, 17819..18085, 17820..17960		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o3.tw	Method	TBLASTX:Wheat
Start	18287	End	18719
GI	none	Score	172
Exons	18287..18718, 18288..18719		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o2.ts	Method	TBLASTX:Soybean
Start	18362	End	18721
GI	none	Score	204
Exons	18362..18721		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	18985	End	19368
GI	none	Score	94
Exons	18985..19368, 19175..19318		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	18994	End	19414
GI	none	Score	113
Exons	18994..19413, 19096..19359, 19100..19414		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o2.tm	Method	TBLASTX:Maize
Start	19087	End	19473
GI	none	Score	215
Exons	19087..19473, 19100..19429, 19135..19449		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	19498	End	19855
GI	none	Score	232
Exons	19498..19854, 19499..19855		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	19528	End	19983
GI	none	Score	280
Exons	19528..19983, 19529..19933		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o5.tw	Method	TBLASTX:Wheat
Start	20189	End	20548
GI	none	Score	89
Exons	20189..20410, 20190..20411, 20417..20548		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o7.tw	Method	TBLASTX:Wheat
Start	21341	End	21685
GI	none	Score	184
Exons	21341..21685		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o4.gp	Method	AAT/GAP
Start	41481	End	41973
GI	22164_1.R1084	Score	601
Exons	41481..41771, 41902..41973		
GI Descrip.	'4679028/gb AAD27002.1 7.0e-38 (AF077207) HSPC021 [Homo sapiens] >gi_5106781_gb_AAD39841.1_ (AF083243) HSPC025 [Homo sapiens]'		

Seq. No.	23541	Seq. ID	OJ990915_10.9C17.C7
Gene No.	48987	Strand	-
Start	41727	End	41973
Name	OJ990915_10.9C17.C7.o10.gs	Method	GENSCAN
Start	41727	End	41973
GI	none	Score	.75
Exons	41727..41771, 41902..41973		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48988	Strand	+
Start	1	End	6127
Name	OJ990915_10.9C17.C8.o2.np	Method	AAT/NAP
Start	1	End	6118
GI	4680214	Score	258
Exons	1..27, 5017..5334, 5417..5573, 5670..5794, 5840..6118		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48988	Strand	+
Start	1	End	6127
Name	OJ990915_10.9C17.C8.o2.gp	Method	AAT/GAP
Start	1653	End	2094
GI	LIB3432-059-P1-K1-D8	Score	711
Exons	1653..2094		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48988	Strand	+
Start	1	End	6127
Name	OJ990915_10.9C17.C8.o2.gs	Method	GENSCAN
Start	4912	End	6127
GI	none	Score	.76
Exons	4912..5334, 5417..6127		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48989	Strand	+
Start	6695	End	7297
Name	OJ990915_10.9C17.C8.o3.gs	Method	GENSCAN
Start	6695	End	7297
GI	none	Score	.96
Exons	6695..7297		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48990	Strand	+
Start	16891	End	17136

Name OJ990915_10.9C17.C8.o6.gs
 Start 16891
 GI none
 Exons 16891..17136

Method GENSCAN
 End 17136
 Score .97

Seq. No. 23542
 Gene No. 48991
 Start 17525
 Name OJ990915_10.9C17.C8.o7.gs
 Start 17525
 GI none
 Exons 17525..17557, 17985..18119

Seq. ID OJ990915_10.9C17.C8
 Strand +
 End 18119
 Method GENSCAN
 End 18119
 Score .59

Seq. No. 23542
 Gene No. 48992
 Start 1
 Name OJ990915_10.9C17.C8.o1.np
 Start 1
 GI 4679028
 Exons 1..81, 704..1043, 2588..2919, 3519..3950, 5599..5631
 GI Descrip. (AF077207) HSPC021 [Homo sapiens] gi|5106781|gb|AAD39841.1|
 (AF083243) HSPC025 [Homo sapiens]

Seq. ID OJ990915_10.9C17.C8
 Strand -
 End 5631
 Method AAT/NAP
 End 5631
 Score 666

Seq. No. 23542
 Gene No. 48992
 Start 1
 Name OJ990915_10.9C17.C8.o1.gp
 Start 703
 GI 22164_1.R1084
 Exons 703..877
 GI Descrip. '4679028/gb|AAD27002.1| 7.0e-38 (AF077207) HSPC021 [Homo sapiens] >gi_5106781_gb_AAD39841.1_ (AF083243) HSPC025 [Homo sapiens]'

Seq. ID OJ990915_10.9C17.C8
 Strand -
 End 5631
 Method AAT/GAP
 End 877
 Score 322

Seq. No. 23542
 Gene No. 48992
 Start 1
 Name OJ990915_10.9C17.C8.o1.gs
 Start 704
 GI none
 Exons 704..1043, 2588..2919, 3323..3376, 3519..4184

Seq. ID OJ990915_10.9C17.C8
 Strand -
 End 5631
 Method GENSCAN
 End 4184
 Score .83

Seq. No. 23542
 Gene No. 48992
 Start 1
 Name OJ990915_10.9C17.C8.o3.gp
 Start 2028
 GI 3760640
 Exons 2028..2103
 GI Descrip. 4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]

Seq. ID OJ990915_10.9C17.C8
 Strand -
 End 5631
 Method AAT/GAP
 End 2103
 Score 104

Seq. No. 23542
 Gene No. 48992
 Start 1
 Name OJ990915_10.9C17.C8.o4.gp
 Start 3607

Seq. ID OJ990915_10.9C17.C8
 Strand -
 End 5631
 Method AAT/GAP
 End 4108

GI 24752_1.R1084 Score 958
 Exons 3607..4108
 GI Descrip. '4679028/gb|AAD27002.1| 7.0e-19 (AF077207) HSPC021 [Homo sapiens] >gi_5106781_gb_AAD39841.1_ (AF083243) HSPC025 [Homo sapiens]'

Seq. No. 23542 Seq. ID OJ990915_10.9C17.C8
 Gene No. 48993 Strand -
 Start 11413 End 16414
 Name OJ990915_10.9C17.C8.o2.tm Method TBLASTX:Maize
 Start 668 End 1058
 GI none Score 393
 Exons 668..1045, 697..1047, 702..1058

Seq. No. 23542 Seq. ID OJ990915_10.9C17.C8
 Gene No. 48993 Strand -
 Start 11413 End 16414
 Name OJ990915_10.9C17.C8.o2.ts Method TBLASTX:Soybean
 Start 668 End 2673
 GI none Score 284
 Exons 668..1045, 708..1058, 1092..1124, 2577..2654, 2579..2668, 2582..2659, 2584..2673

Seq. No. 23542 Seq. ID OJ990915_10.9C17.C8
 Gene No. 48993 Strand -
 Start 11413 End 16414
 Name OJ990915_10.9C17.C8.o2.tc Method TBLASTX:Cress
 Start 791 End 2712
 GI none Score 207
 Exons 791..1045, 816..1058, 2579..2710, 2582..2710, 2584..2712

Seq. No. 23542 Seq. ID OJ990915_10.9C17.C8
 Gene No. 48993 Strand -
 Start 11413 End 16414
 Name OJ990915_10.9C17.C8.o1.tm Method TBLASTX:Maize
 Start 2616 End 3984
 GI none Score 94
 Exons 2616..2720, 2617..2724, 2618..2725, 2711..2920, 2725..2922, 2726..2920, 3519..3983, 3523..3984

Seq. No. 23542 Seq. ID OJ990915_10.9C17.C8
 Gene No. 48993 Strand -
 Start 11413 End 16414
 Name OJ990915_10.9C17.C8.o1.tc Method TBLASTX:Cress
 Start 2713 End 3984
 GI none Score 89
 Exons 2713..2823, 2714..2821, 2824..2922, 2825..2920, 3519..3728, 3523..3729, 3738..3983, 3745..3984

Seq. No. 23542 Seq. ID OJ990915_10.9C17.C8
 Gene No. 48993 Strand -
 Start 11413 End 16414
 Name OJ990915_10.9C17.C8.o1.ts Method TBLASTX:Soybean
 Start 3601 End 3984
 GI none Score 181
 Exons 3601..3729, 3603..3728, 3738..3983, 3742..3984

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48993	Strand	-
Start	11413	End	16414
Name	OJ990915_10.9C17.C8.o3.tm	Method	TBLASTX:Maize
Start	5043	End	6103
GI	none	Score	329
Exons	5043..5336, 5044..5337, 5414..5515, 5419..5490, 5429..5515, 5705..6040, 5909..6103, 5911..5997, 6014..6055		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48993	Strand	-
Start	11413	End	16414
Name	OJ990915_10.9C17.C8.o3.np	Method	AAT/NAP
Start	11410	End	16414
GI	5051776	Score	364
Exons	11410..11976, 12115..12270, 12613..12662, 15941..16083, 16303..16414		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48993	Strand	-
Start	11413	End	16414
Name	OJ990915_10.9C17.C8.o5.gs	Method	GENSCAN
Start	11413	End	16196
GI	none	Score	.96
Exons	11413..12015, 12115..12270, 12613..12680, 15941..16196		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48993	Strand	-
Start	11413	End	16414
Name	OJ990915_10.9C17.C8.o4.tm	Method	TBLASTX:Maize
Start	11432	End	11845
GI	none	Score	110
Exons	11432..11719, 11518..11718, 11740..11844, 11741..11845		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48993	Strand	-
Start	11413	End	16414
Name	OJ990915_10.9C17.C8.o3.ts	Method	TBLASTX:Soybean
Start	11806	End	16067
GI	none	Score	69
Exons	11806..11883, 11807..11902, 11926..12018, 11947..12018, 12110..12256, 12115..12270, 12580..12681, 12595..12681, 15975..16067		

Seq. No.	23542	Seq. ID	OJ990915_10.9C17.C8
Gene No.	48993	Strand	-
Start	11413	End	16414
Name	OJ990915_10.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	11827	End	12271
GI	none	Score	57
Exons	11827..11883, 11834..11902, 11926..12018, 11950..12018, 12115..12270, 12116..12271		

Seq. No.	23543	Seq. ID	OJ990915_10.9C17.C9
Gene No.	48994	Strand	+
Start	1	End	2515

Name	OJ990915_10.9C17.C9.o1.np	Method	AAT/NAP
Start	1	End	2515
GI	5042463	Score	173
Exons	1..53, 667..857, 1519..1678, 1729..1855, 2269..2515		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	23543	Seq. ID	OJ990915_10.9C17.C9
Gene No.	48995	Strand	-
Start	3966	End	4391
Name	OJ990915_10.9C17.C9.o2.gs	Method	GENSCAN
Start	3966	End	4391
GI	none	Score	.83
Exons	3966..4152, 4336..4391		

Seq. No.	23544	Seq. ID	OJ990915_10.9C17.C10
Gene No.	48996	Strand	+
Start	225	End	1071
Name	OJ990915_10.9C17.C10.o1.gp	Method	AAT/GAP
Start	225	End	814
GI	2310235	Score	300
Exons	225..263, 675..814		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	23544	Seq. ID	OJ990915_10.9C17.C10
Gene No.	48996	Strand	+
Start	225	End	1071
Name	OJ990915_10.9C17.C10.o1.gs	Method	GENSCAN
Start	675	End	1071
GI	none	Score	.55
Exons	675..1071		

Seq. No.	23544	Seq. ID	OJ990915_10.9C17.C10
Gene No.	48996	Strand	+
Start	225	End	1071
Name	OJ990915_10.9C17.C10.o1.np	Method	AAT/NAP
Start	675	End	1004
GI	5852182	Score	435
Exons	675..1004		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	23545	Seq. ID	OJ990915_10.9C17.C11
Gene No.	48997	Strand	-
Start	1	End	468
Name	OJ990915_10.9C17.C11.o1.gp	Method	AAT/GAP
Start	1	End	468
GI	none	Score	831
Exons	1..468		

Seq. No.	23546	Seq. ID	OJ990915_10.9C17.C12
Gene No.	48998	Strand	+
Start	1	End	1054
Name	OJ990915_10.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	914
GI	6539555	Score	266
Exons	1..22, 627..914		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza		

sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner
transposase (AF078934) [Oryza sativa]

Seq. No.	23546	Seq. ID	OJ990915_10.9C17.C12
Gene No.	48998	Strand	+
Start	1	End	1054
Name	OJ990915_10.9C17.C12.o1.gs	Method	GENSCAN
Start	471	End	1054
GI	none	Score	.77
Exons	471..592, 627..676, 717..1054		

Seq. No.	23546	Seq. ID	OJ990915_10.9C17.C12
Gene No.	48999	Strand	+
Start	3554	End	3898
Name	OJ990915_10.9C17.C12.o1.gp	Method	AAT/GAP
Start	3447	End	3898
GI	32139_1.R1084	Score	860
Exons	3447..3898		
GI Descrip.	'4138732/emb CAA76742.1 1.0e-08 (Y17332) proline-rich protein [Zea mays]'		

Seq. No.	23546	Seq. ID	OJ990915_10.9C17.C12
Gene No.	48999	Strand	+
Start	3554	End	3898
Name	OJ990915_10.9C17.C12.o3.gs	Method	GENSCAN
Start	3554	End	3864
GI	none	Score	.97
Exons	3554..3864		

Seq. No.	23546	Seq. ID	OJ990915_10.9C17.C12
Gene No.	48999	Strand	+
Start	3554	End	3898
Name	OJ990915_10.9C17.C12.o2.np	Method	AAT/NAP
Start	3587	End	3898
GI	6942229	Score	233
Exons	3587..3898		
GI Descrip.	(AF221552) proline-rich protein RiP-15 [Oryza sativa]		

Seq. No.	23546	Seq. ID	OJ990915_10.9C17.C12
Gene No.	49000	Strand	-
Start	1556	End	2074
Name	OJ990915_10.9C17.C12.o2.gs	Method	GENSCAN
Start	1556	End	2074
GI	none	Score	.61
Exons	1556..1729, 1797..1894, 1993..2074		

Seq. No.	23547	Seq. ID	OJ990915_10.9C17.C13
Gene No.	49001	Strand	+
Start	1188	End	3440
Name	OJ990915_10.9C17.C13.o1.gp	Method	AAT/GAP
Start	1188	End	1690
GI	32139_1.R1084	Score	921
Exons	1188..1690		
GI Descrip.	'4138732/emb CAA76742.1 1.0e-08 (Y17332) proline-rich protein [Zea mays]'		

Seq. No.	23547	Seq. ID	OJ990915_10.9C17.C13
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Gene No.	49001	Strand	+
Start	1188	End	3440
Name	OJ990915_10.9C17.C13.o1.np	Method	AAT/NAP
Start	1289	End	3440
GI	4138732	Score	528
Exons	1289..2052, 3401..3440		
GI Descrip.	(Y17332) proline-rich protein [Zea mays]		

Seq. No.	23547	Seq. ID	OJ990915_10.9C17.C13
Gene No.	49001	Strand	+
Start	1188	End	3440
Name	OJ990915_10.9C17.C13.o1.gs	Method	GENSCAN
Start	1295	End	2056
GI	none	Score	1
Exons	1295..2056		

Seq. No.	23547	Seq. ID	OJ990915_10.9C17.C13
Gene No.	49002	Strand	+
Start	3751	End	4532
Name	OJ990915_10.9C17.C13.o2.gs	Method	GENSCAN
Start	3751	End	4317
GI	none	Score	.46
Exons	3751..4317		

Seq. No.	23547	Seq. ID	OJ990915_10.9C17.C13
Gene No.	49002	Strand	+
Start	3751	End	4532
Name	OJ990915_10.9C17.C13.o2.np	Method	AAT/NAP
Start	3843	End	4532
GI	84407	Score	57
Exons	3843..4178, 4496..4532		
GI Descrip.	eggshell protein - fluke (Schistosoma mansoni) gi 951430 (M14309) ORF-RF1; putative [Schistosoma mansoni]		

Seq. No.	23547	Seq. ID	OJ990915_10.9C17.C13
Gene No.	49003	Strand	-
Start	1909	End	2358
Name	OJ990915_10.9C17.C13.o2.gp	Method	AAT/GAP
Start	1909	End	2358
GI	none	Score	837
Exons	1909..2358		

Seq. No.	23547	Seq. ID	OJ990915_10.9C17.C13
Gene No.	49004	Strand	-
Start	4739	End	5869
Name	OJ990915_10.9C17.C13.o3.gs	Method	GENSCAN
Start	4739	End	5869
GI	none	Score	.52
Exons	4739..5253, 5731..5869		

Seq. No.	23548	Seq. ID	OJ990915_10.9C17.C14
Gene No.	49005	Strand	+
Start	1	End	3504
Name	OJ990915_10.9C17.C14.o1.np	Method	AAT/NAP
Start	1	End	1470
GI	3386534	Score	140
Exons	1..102, 1129..1470		

GI Descrip. (AF078934) mariner transposase [Glycine max]

Seq. No.	23548	Seq. ID	OJ990915_10.9C17.C14
Gene No.	49005	Strand	+
Start	1	End	3504
Name	OJ990915_10.9C17.C14.o1.gs	Method	GENSCAN
Start	896	End	3504
GI	none	Score	.54
Exons	896..1001, 1218..1329, 3214..3228, 3346..3504		

Seq. No.	23548	Seq. ID	OJ990915_10.9C17.C14
Gene No.	49006	Strand	+
Start	12173	End	14950
Name	OJ990915_10.9C17.C14.o2.np	Method	AAT/NAP
Start	12173	End	14950
GI	5280991	Score	51
Exons	12173..12223, 13108..13193, 14925..14950		
GI Descrip.	(Z97338) putative phosphocholine cytidyltransferase [Arabidopsis thaliana]		

Seq. No.	23548	Seq. ID	OJ990915_10.9C17.C14
Gene No.	49007	Strand	-
Start	3765	End	5028
Name	OJ990915_10.9C17.C14.o2.gs	Method	GENSCAN
Start	3765	End	5028
GI	none	Score	.61
Exons	3765..3871, 4701..5028		

Seq. No.	23548	Seq. ID	OJ990915_10.9C17.C14
Gene No.	49008	Strand	-
Start	12712	End	13583
Name	OJ990915_10.9C17.C14.o4.gs	Method	GENSCAN
Start	12712	End	13583
GI	none	Score	.49
Exons	12712..12832, 13062..13086, 13313..13583		

Seq. No.	23548	Seq. ID	OJ990915_10.9C17.C14
Gene No.	49009	Strand	-
Start	16788	End	16950
Name	OJ990915_10.9C17.C14.o5.gs	Method	GENSCAN
Start	16788	End	16950
GI	none	Score	.9
Exons	16788..16950		

Seq. No.	23549	Seq. ID	OJ990915_10.9C17.C15
Gene No.	49010	Strand	+
Start	123	End	380
Name	OJ990915_10.9C17.C15.o1.gs	Method	GENSCAN
Start	123	End	380
GI	none	Score	.62
Exons	123..380		

Seq. No.	23550	Seq. ID	OJ990915_10.9C17.C17
Gene No.	49011	Strand	-
Start	1	End	506
Name	OJ990915_10.9C17.C17.o1.gp	Method	AAT/GAP
Start	1	End	506

GI 342.1.R1084 Score 791
 Exons 1..375, 417..506
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 23550 Seq. ID OJ990915_10.9C17.C17
 Gene No. 49011 Strand -
 Start 1 End 506
 Name OJ990915_10.9C17.C17.o1.np Method AAT/NAP
 Start 1 End 506
 GI 6742729 Score 644
 Exons 1..371, 408..506
 GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No. 23550 Seq. ID OJ990915_10.9C17.C17
 Gene No. 49011 Strand -
 Start 1 End 506
 Name OJ990915_10.9C17.C17.o1.gs Method GENSCAN
 Start 17 End 356
 GI none Score .52
 Exons 17..129, 190..356

Seq. No. 23550 Seq. ID OJ990915_10.9C17.C17
 Gene No. 49011 Strand -
 Start 1 End 506
 Name OJ990915_10.9C17.C17.o1.ts Method TBLASTX:Soybean
 Start 77 End 319
 GI none Score 54
 Exons 77..319, 135..233

Seq. No. 23550 Seq. ID OJ990915_10.9C17.C17
 Gene No. 49011 Strand -
 Start 1 End 506
 Name OJ990915_10.9C17.C17.o1.tw Method TBLASTX:Wheat
 Start 183 End 505
 GI none Score 122
 Exons 183..341, 183..341, 188..364, 188..364, 427..504, 428..505

Seq. No. 23551 Seq. ID OJ990915_17.9C23.C2
 Gene No. 49012 Strand +
 Start 110 End 305
 Name OJ990915_17.9C23.C2.o1.gs Method GENSCAN
 Start 110 End 305
 GI none Score .83
 Exons 110..122, 208..305

Seq. No. 23552 Seq. ID OJ990915_17.9C23.C3
 Gene No. 49013 Strand +
 Start 406 End 472
 Name OJ990915_17.9C23.C3.o1.gs Method GENSCAN
 Start 406 End 472
 GI none Score .57
 Exons 406..472

Seq. No. 23553 Seq. ID OJ990915_17.9C23.C4
 Gene No. 49014 Strand -
 Start 101 End 645

Name OJ990915_17.9C23.C4.o1.gs
 Start 101
 GI none
 Exons 101..163, 248..382, 461..592

Method GENSCAN
 End 592
 Score .9

Seq. No. 23553
 Gene No. 49014
 Start 101
 Name OJ990915_17.9C23.C4.o1.gp
 Start 347
 GI 43870_1.R1084
 Exons 347..382, 461..645
 GI Descrip. '6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'

Seq. ID OJ990915_17.9C23.C4
 Strand -
 End 645
 Method AAT/GAP
 End 645
 Score 275

Seq. No. 23553
 Gene No. 49014
 Start 101
 Name OJ990915_17.9C23.C4.o1.np
 Start 464
 GI 5738367
 Exons 464..645
 GI Descrip. (AL078620) putative protein [Arabidopsis thaliana]

Seq. ID OJ990915_17.9C23.C4
 Strand -
 End 645
 Method AAT/NAP
 End 645
 Score 80

Seq. No. 23554
 Gene No. 49015
 Start 1
 Name OJ990915_17.9C23.C5.o1.np
 Start 1
 GI 5738367
 Exons 1..27, 90..326, 418..518, 1077..1200, 1309..1582
 GI Descrip. (AL078620) putative protein [Arabidopsis thaliana]

Seq. ID OJ990915_17.9C23.C5
 Strand -
 End 4775
 Method AAT/NAP
 End 1582
 Score 214

Seq. No. 23554
 Gene No. 49015
 Start 1
 Name OJ990915_17.9C23.C5.o1.gp
 Start 197
 GI 43870_1.R1084
 Exons 197..326, 418..518, 1077..1200, 1309..1483
 GI Descrip. '6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'

Seq. ID OJ990915_17.9C23.C5
 Strand -
 End 4775
 Method AAT/GAP
 End 1483
 Score 931

Seq. No. 23554
 Gene No. 49015
 Start 1
 Name OJ990915_17.9C23.C5.o1.gs
 Start 1077
 GI none
 Exons 1077..1163, 1801..1817, 2155..2270, 2916..2935, 3659..3917, 4008..4563

Seq. ID OJ990915_17.9C23.C5
 Strand -
 End 4775
 Method GENSCAN
 End 4563
 Score .58

Seq. No. 23554
 Gene No. 49015
 Start 1
 Name OJ990915_17.9C23.C5.o2.tm
 Start 3625

Seq. ID OJ990915_17.9C23.C5
 Strand -
 End 4775
 Method TBLASTX:Maize
 End 3842

GI	none	Score	195
Exons	3625..3804, 3641..3841, 3657..3842		
Seq. No.	23554	Seq. ID	OJ990915_17.9C23.C5
Gene No.	49015	Strand	-
Start	1	End	4775
Name	OJ990915_17.9C23.C5.o2.np	Method	AAT/NAP
Start	3658	End	4775
GI	6143888	Score	315
Exons	3658..4219, 4322..4577, 4739..4775		
GI Descrip.	(AC010718) unknown protein [Arabidopsis thaliana]		

Seq. No.	23554	Seq. ID	OJ990915_17.9C23.C5
Gene No.	49015	Strand	-
Start	1	End	4775
Name	OJ990915_17.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	3678	End	3863
GI	none	Score	74
Exons	3678..3863, 3706..3804		

Seq. No.	23554	Seq. ID	OJ990915_17.9C23.C5
Gene No.	49015	Strand	-
Start	1	End	4775
Name	OJ990915_17.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	3687	End	3929
GI	none	Score	150
Exons	3687..3929, 3720..3923		

Seq. No.	23554	Seq. ID	OJ990915_17.9C23.C5
Gene No.	49015	Strand	-
Start	1	End	4775
Name	OJ990915_17.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	4008	End	4570
GI	none	Score	130
Exons	4008..4160, 4009..4158, 4101..4385, 4149..4295, 4282..4365, 4284..4358, 4284..4496, 4309..4461, 4338..4421, 4339..4464, 4479..4565, 4481..4570, 4499..4570		

Seq. No.	23555	Seq. ID	OJ990915_17.9C23.C6
Gene No.	49016	Strand	-
Start	1	End	1304
Name	OJ990915_17.9C23.C6.o1.np	Method	AAT/NAP
Start	1	End	913
GI	6143888	Score	384
Exons	1..48, 170..207, 457..681, 819..913		
GI Descrip.	(AC010718) unknown protein [Arabidopsis thaliana]		

Seq. No.	23555	Seq. ID	OJ990915_17.9C23.C6
Gene No.	49016	Strand	-
Start	1	End	1304
Name	OJ990915_17.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	156	End	939
GI	none	Score	83
Exons	156..209, 156..209, 163..213, 482..553, 482..526, 484..531, 502..681, 504..683, 504..680, 529..681, 816..914, 821..913, 823..939		

Seq. No.	23555	Seq. ID	OJ990915_17.9C23.C6
Gene No.	49016	Strand	-
Start	1	End	1304
Name	OJ990915_17.9C23.C6.o1.gs	Method	GENSCAN
Start	173	End	1304
GI	none	Score	.71
Exons	173..207, 549..681, 819..912, 1235..1304		
Seq. No.	23556	Seq. ID	OJ990915_17.9C23.C7
Gene No.	49017	Strand	+
Start	3830	End	4620
Name	OJ990915_17.9C23.C7.o2.gs	Method	GENSCAN
Start	3830	End	4620
GI	none	Score	.91
Exons	3830..4032, 4053..4206, 4465..4620		
Seq. No.	23556	Seq. ID	OJ990915_17.9C23.C7
Gene No.	49018	Strand	-
Start	380	End	2834
Name	OJ990915_17.9C23.C7.o2.np	Method	AAT/NAP
Start	244	End	2753
GI	1076802	Score	132
Exons	244..355, 1647..1934, 2297..2397, 2578..2753		
GI Descrip.	extensin-like protein - maize gi 600118 emb CAA84230 (Z34465) extensin-like protein [Zea mays] gi 1096557 prf 2111476A extensin-like domain [Zea mays]		
Seq. No.	23556	Seq. ID	OJ990915_17.9C23.C7
Gene No.	49018	Strand	-
Start	380	End	2834
Name	OJ990915_17.9C23.C7.o1.gs	Method	GENSCAN
Start	380	End	2834
GI	none	Score	.77
Exons	380..517, 562..702, 1161..1317, 1409..1482, 1568..1892, 2653..2834		
Seq. No.	23556	Seq. ID	OJ990915_17.9C23.C7
Gene No.	49018	Strand	-
Start	380	End	2834
Name	OJ990915_17.9C23.C7.o1.np	Method	AAT/NAP
Start	429	End	1494
GI	6143888	Score	401
Exons	429..517, 616..702, 1161..1317, 1409..1494		
GI Descrip.	(AC010718) unknown protein [Arabidopsis thaliana]		
Seq. No.	23556	Seq. ID	OJ990915_17.9C23.C7
Gene No.	49019	Strand	-
Start	6375	End	7503
Name	OJ990915_17.9C23.C7.o1.tc	Method	TBLASTX:Cress
Start	464	End	1319
GI	none	Score	65
Exons	464..532, 465..509, 589..705, 602..700, 1161..1319, 1165..1317		
Seq. No.	23556	Seq. ID	OJ990915_17.9C23.C7
Gene No.	49019	Strand	-
Start	6375	End	7503
Name	OJ990915_17.9C23.C7.o3.gs	Method	GENSCAN

Start	6375	End	7379
GI	none	Score	.87
Exons	6375..6485, 6765..6907, 7007..7037, 7299..7379		

Seq. No.	23556	Seq. ID	OJ990915_17.9C23.C7
Gene No.	49019	Strand	-
Start	6375	End	7503
Name	OJ990915_17.9C23.C7.o3.np	Method	AAT/NAP
Start	6876	End	7503
GI	5257280	Score	131
Exons	6876..7037, 7476..7503		
GI Descrip.	(AP000364) Similar to neurofilament triplet M protein. (P07197) [Oryza sativa]		

Seq. No.	23557	Seq. ID	OJ990915_17.9C23.C8
Gene No.	49020	Strand	+
Start	22	End	215
Name	OJ990915_17.9C23.C8.o1.gs	Method	GENSCAN
Start	22	End	215
GI	none	Score	.97
Exons	22..70, 121..215		

Seq. No.	23557	Seq. ID	OJ990915_17.9C23.C8
Gene No.	49021	Strand	
Start	910	End	1427
Name	OJ990915_17.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	910	End	1200
GI	none	Score	161
Exons	910..1008, 1003..1200		

Seq. No.	23557	Seq. ID	OJ990915_17.9C23.C8
Gene No.	49021	Strand	
Start	910	End	1427
Name	OJ990915_17.9C23.C8.o1.tw	Method	TBLASTX:Wheat
Start	1087	End	1427
GI	none	Score	55
Exons	1087..1320, 1090..1200, 1280..1309, 1317..1427		

Seq. No.	23558	Seq. ID	OJ990915_17.9C23.C9
Gene No.	49022	Strand	+
Start	523	End	622
Name	OJ990915_17.9C23.C9.o1.gs	Method	GENSCAN
Start	523	End	622
GI	none	Score	.45
Exons	523..622		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49023	Strand	+
Start	1	End	1584
Name	OJ990915_17.9C23.C12.o1.gp	Method	AAT/GAP
Start	1	End	232
GI	LIB3432-022-P1-K1-B9	Score	437
Exons	1..232		
GI Descrip.	'4539292/emb CAB39595.1 5.0e-42 (AL049480) putative ribosomal protein S10 [Arabidopsis thaliana]'		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
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Gene No.	49023	Strand	+
Start	1	End	1584
Name	OJ990915_17.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	1584
GI	4539292	Score	545
Exons	1..272, 872..1007, 1507..1584		
GI Descrip.	(AL049480) putative ribosomal protein S10 [Arabidopsis thaliana]		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49023	Strand	+
Start	1	End	1584
Name	OJ990915_17.9C23.C12.o1.gs	Method	GENSCAN
Start	61	End	1226
GI	none	Score	.48
Exons	61..272, 872..963, 1063..1226		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49024	Strand	+
Start	9463	End	22653
Name	OJ990915_17.9C23.C12.o3.np	Method	AAT/NAP
Start	9463	End	22650
GI	5777621	Score	1556
Exons	9463..9559, 10111..10659, 11630..11704, 12057..12342, 12879..12962, 13090..13139, 13523..13608, 13783..14107, 20653..20924, 20982..21045, 21076..21194, 21293..21478, 22363..22650		
GI Descrip.	(AJ245900) CAA30379.1 protein [Oryza sativa]		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49024	Strand	+
Start	9463	End	22653
Name	OJ990915_17.9C23.C12.o4.gs	Method	GENSCAN
Start	17682	End	22653
GI	none	Score	.7
Exons	17682..17760, 18981..19080, 19377..19655, 19772..19837, 20528..21194, 21293..21478, 22363..22653		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49024	Strand	+
Start	9463	End	22653
Name	OJ990915_17.9C23.C12.o3.gp	Method	AAT/GAP
Start	20515	End	21029
GI	none	Score	990
Exons	20515..21029		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49025	Strand	-
Start	431	End	5022
Name	OJ990915_17.9C23.C12.o2.np	Method	AAT/NAP
Start	431	End	4876
GI	4006878	Score	812
Exons	431..461, 2438..2522, 2617..2840, 3236..3539, 3641..3739, 4477..4613, 4711..4876		
GI Descrip.	(Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49025	Strand	-

Start	431	End	5022
Name	OJ990915_17.9C23.C12.o2.gp	Method	AAT/GAP
Start	1522	End	1838
GI	none	Score	521
Exons	1522..1838		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49025	Strand	-
Start	431	End	5022
Name	OJ990915_17.9C23.C12.o2.gs	Method	GENSCAN
Start	2129	End	5022
GI	none	Score	.73
Exons	2129..2296, 2617..2902, 3190..3539, 3641..3739, 4477..4613, 4711..4736, 4780..4835, 4924..5022		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o2.tm	Method	TBLASTX:Maize
Start	1	End	1749
GI	none	Score	355
Exons	1..222, 1..81, 3..272, 3..224, 137..271, 155..289, 872..916, 966..1007, 1523..1639, 1586..1651, 1588..1650, 1653..1703, 1654..1704, 1654..1704, 1709..1744, 1723..1749		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o2.tc	Method	TBLASTX:Cress
Start	6	End	1007
GI	none	Score	300
Exons	6..224, 7..222, 966..1007		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o3.ts	Method	TBLASTX:Soybean
Start	6	End	1004
GI	none	Score	305
Exons	6..224, 7..222, 24..227, 137..226, 870..890, 966..1004		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	7	End	283
GI	none	Score	328
Exons	7..222, 7..81, 21..224, 137..271, 158..283		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o3.tc	Method	TBLASTX:Cress
Start	2421	End	2811
GI	none	Score	208
Exons	2421..2525, 2617..2811		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	2605	End	4838
GI	none	Score	93
Exons	2605..2790, 2617..2829, 2726..2830, 3235..3537, 3237..3536, 3641..3748, 3642..3767, 4478..4579, 4480..4581, 4581..4616, 4749..4838		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o5.tm	Method	TBLASTX:Maize
Start	2659	End	2841
GI	none	Score	42
Exons	2659..2712, 2659..2694, 2694..2762, 2695..2841, 2695..2835, 2729..2836		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o2.tw	Method	TBLASTX:Wheat
Start	3231	End	3500
GI	none	Score	286
Exons	3231..3500		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	3235	End	3745
GI	none	Score	199
Exons	3235..3426, 3237..3434, 3453..3536, 3641..3745, 3645..3740		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o1.tc	Method	TBLASTX:Cress
Start	3237	End	3710
GI	none	Score	119
Exons	3237..3536, 3241..3444, 3641..3709, 3645..3710		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o7.tm	Method	TBLASTX:Maize
Start	10109	End	10328
GI	none	Score	209
Exons	10109..10327, 10110..10328		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o4.tc	Method	TBLASTX:Cress
Start	10239	End	10592
GI	none	Score	251

Exons	10239..10541, 10241..10540, 10529..10588, 10530..10592		
Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o3.tm	Method	TBLASTX:Maize
Start	10334	End	10601
GI	none	Score	277
Exons	10334..10594, 10344..10601		
Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o8.tm	Method	TBLASTX:Maize
Start	12118	End	12460
GI	none	Score	171
Exons	12118..12342, 12125..12343, 12128..12352, 12409..12459, 12410..12460		
Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o2.ts	Method	TBLASTX:Soybean
Start	12206	End	14090
GI	none	Score	81
Exons	12206..12343, 12241..12342, 12256..12354, 12258..12353, 12390..12464, 12409..12465, 12410..12463, 12557..12619, 12558..12620, 12583..12621, 12837..12914, 12838..12972, 13522..13632, 13678..13908, 13806..13880, 14007..14090		
Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o9.tm	Method	TBLASTX:Maize
Start	12841	End	13863
GI	none	Score	74
Exons	12841..12948, 13522..13620, 13681..13863		
Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o6.tm	Method	TBLASTX:Maize
Start	21286	End	21499
GI	none	Score	223
Exons	21286..21474, 21287..21499		
Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o4.tm	Method	TBLASTX:Maize
Start	22333	End	22644
GI	none	Score	153
Exons	22333..22428, 22363..22467, 22368..22466, 22515..22619, 22516..22620, 22617..22643, 22618..22644		
Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-

Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o4.ts	Method	TBLASTX:Soybean
Start	22351	End	22644
GI	none	Score	111
Exons	22351..22428, 22363..22467, 22365..22466, 22446..22643, 22447..22644		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o4.gp	Method	AAT/GAP
Start	22501	End	22910
GI	none	Score	807
Exons	22501..22910		

Seq. No.	23559	Seq. ID	OJ990915_17.9C23.C12
Gene No.	49026	Strand	-
Start	22501	End	23736
Name	OJ990915_17.9C23.C12.o5.gs	Method	GENSCAN
Start	22790	End	23736
GI	none	Score	.95
Exons	22790..23124, 23685..23736		

Seq. No.	23560	Seq. ID	OJ990915_17.9C23.C13
Gene No.	49027	Strand	+
Start	3466	End	3704
Name	OJ990915_17.9C23.C13.o1.gs	Method	GENSCAN
Start	3466	End	3704
GI	none	Score	.84
Exons	3466..3704		

Seq. No.	23560	Seq. ID	OJ990915_17.9C23.C13
Gene No.	49028	Strand	+
Start	4499	End	4889
Name	OJ990915_17.9C23.C13.o1.gp	Method	AAT/GAP
Start	4431	End	4889
GI	uC-osrocyp028f10b1	Score	863
Exons	4431..4889		
GI Descrip.	'1086249/pir S52769 5.0e-10 subtilisin-like protease - Alnus glutinosa >gi_757522_emb_CAA59964_ (X85975) subtilisin-like protease [Alnus glutinosa]'		

Seq. No.	23560	Seq. ID	OJ990915_17.9C23.C13
Gene No.	49028	Strand	+
Start	4499	End	4889
Name	OJ990915_17.9C23.C13.o1.np	Method	AAT/NAP
Start	4489	End	4889
GI	1086249	Score	175
Exons	4489..4889		
GI Descrip.	subtilisin-like protease - Alnus glutinosa gi 757522 emb CAA59964 (X85975) subtilisin-like protease [Alnus glutinosa]		

Seq. No.	23560	Seq. ID	OJ990915_17.9C23.C13
Gene No.	49028	Strand	+
Start	4499	End	4889
Name	OJ990915_17.9C23.C13.o2.gs	Method	GENSCAN

Start 4499
GI none
Exons 4499..4765

End 4765
Score .45

Seq. No. 23560
Gene No. 49028
Start 4499
Name OJ990915_17.9C23.C13.o1.tw
Start 4571
GI none
Exons 4571..4660, 4709..4885, 4735..4884

Seq. ID OJ990915_17.9C23.C13
Strand +
End 4889
Method TBLASTX:Wheat
End 4885
Score 73

Seq. No. 23561
Gene No. 49029
Start 1
Name OJ990915_17.9C23.C14.o1.np
Start 1
GI 1086249
Exons 1..1466
GI Descrip. subtilisin-like protease - Alnus glutinosa
gi|757522|emb|CAA59964| (X85975) subtilisin-like protease [Alnus glutinosa]

Seq. ID OJ990915_17.9C23.C14
Strand +
End 1466
Method AAT/NAP
End 1466
Score 746

Seq. No. 23561
Gene No. 49029
Start 1
Name OJ990915_17.9C23.C14.o1.gs
Start 54
GI none
Exons 54..1455

Seq. ID OJ990915_17.9C23.C14
Strand +
End 1466
Method GENSCAN
End 1455
Score .89

Seq. No. 23561
Gene No. 49030
Start 8694
Name OJ990915_17.9C23.C14.o2.np
Start 8600
GI 6587806
Exons 8600..9061, 9219..9401, 10283..10411, 10689..10902, 10972..11090, 11603..11881
GI Descrip. (AC010924) Contains similarity to gb|M82916 MRS2 protein from Saccharomyces cerevisiae. ESTs gb|N96043; gb|AI998651, gb|AA585850, gb|T42027 come from this gene. [Arabidopsis thaliana]

Seq. ID OJ990915_17.9C23.C14
Strand +
End 11887
Method AAT/NAP
End 11881
Score 416

Seq. No. 23561
Gene No. 49030
Start 8694
Name OJ990915_17.9C23.C14.o4.gs
Start 8694
GI none
Exons 8694..8813, 8912..9109, 9219..9401, 10283..10411, 10689..10819, 10919..11090, 11603..11887

Seq. ID OJ990915_17.9C23.C14
Strand +
End 11887
Method GENSCAN
End 11887
Score .88

Seq. No. 23561
Gene No. 49030
Start 8694
Name OJ990915_17.9C23.C14.o2.gp

Seq. ID OJ990915_17.9C23.C14
Strand +
End 11887
Method AAT/GAP

Start	9228	End	11024
GI	uC-osrom202031e04b1	Score	980
Exons	9228..9401, 10283..10411, 10689..10819, 10931..11024		
GI Descrip.	'4406759/gb AAD20070 8.0e-15 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49031	Strand	-
Start	1	End	404
Name	OJ990915_17.9C23.C14.o1.gp	Method	AAT/GAP
Start	1	End	404
GI	51564_1.R1084	Score	761
Exons	1..404		
GI Descrip.	'3142298 8.0e-19 (AC002411) Strong similarity to protein SBT1 gb_X98929 from Lycopersicum esculentum. [Arabidopsis thaliana]'		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1248
GI	none	Score	181
Exons	1..192, 24..179, 298..435, 460..687, 558..683, 762..881, 763..921, 916..1032, 951..1031, 1120..1248, 1168..1248		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o3.tc	Method	TBLASTX:Cress
Start	1	End	429
GI	none	Score	184
Exons	1..192, 21..155, 298..429		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o4.tm	Method	TBLASTX:Maize
Start	7	End	192
GI	none	Score	190
Exons	7..192, 24..182		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o3.tw	Method	TBLASTX:Wheat
Start	13	End	5715
GI	none	Score	157
Exons	13..192, 24..149, 298..360, 5611..5715		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o1.tm	Method	TBLASTX:Maize
Start	370	End	1157
GI	none	Score	133
Exons	370..498, 378..440, 558..701, 559..726, 568..714, 721..804, 730..795, 802..831, 805..891, 807..884, 898..1029, 951..1022,		

1083..1157, 1084..1155

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o1.tc	Method	TBLASTX:Cress
Start	558	End	1158
GI	none	Score	171
Exons	558..683, 559..687, 739..891, 1042..1158		756..890, 916..1029, 954..1025,

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o2.tw	Method	TBLASTX:Wheat
Start	558	End	732
GI	none	Score	246
Exons	558..701, 559..714, 565..732		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o2.tm	Method	TBLASTX:Maize
Start	4140	End	4447
GI	none	Score	192
Exons	4140..4433, 4148..4447, 4208..4444		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o2.tc	Method	TBLASTX:Cress
Start	4154	End	4468
GI	none	Score	143
Exons	4154..4468, 4167..4457		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o1.tw	Method	TBLASTX:Wheat
Start	4157	End	4447
GI	none	Score	161
Exons	4157..4447, 4191..4433		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o2.ts	Method	TBLASTX:Soybean
Start	4157	End	4466
GI	none	Score	205
Exons	4157..4465, 4164..4466		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o3.tm	Method	TBLASTX:Maize
Start	9312	End	11770
GI	none	Score	104

Exons 9312..9413, 9338..9412, 10277..10411, 10278..10412,
10280..10414, 10282..10416, 10282..10455, 11007..11078,
11609..11770

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o3.ts	Method	TBLASTX:Soybean
Start	9330	End	11773
GI	none	Score	71
Exons	9330..9395, 10298..10414, 10312..10416, 11016..11078, 11609..11773		

Seq. No.	23561	Seq. ID	OJ990915_17.9C23.C14
Gene No.	49032	Strand	-
Start	13199	End	13285
Name	OJ990915_17.9C23.C14.o5.gs	Method	GENSCAN
Start	13199	End	13285
GI	none	Score	.58
Exons	13199..13285		

Seq. No.	23562	Seq. ID	OJ990915_17.9C23.C15
Gene No.	49033	Strand	+
Start	111	End	2384
Name	OJ990915_17.9C23.C15.o1.gs	Method	GENSCAN
Start	111	End	2379
GI	none	Score	.91
Exons	111..1678, 2220..2379		

Seq. No.	23562	Seq. ID	OJ990915_17.9C23.C15
Gene No.	49033	Strand	+
Start	111	End	2384
Name	OJ990915_17.9C23.C15.o2.tm	Method	TBLASTX:Maize
Start	469	End	1070
GI	none	Score	57
Exons	469..540, 471..677, 563..676, 666..812, 679..795, 733..825, 757..825, 762..1055, 829..1008, 880..1062, 884..1057, 891..1070		

Seq. No.	23562	Seq. ID	OJ990915_17.9C23.C15
Gene No.	49033	Strand	+
Start	111	End	2384
Name	OJ990915_17.9C23.C15.o1.tm	Method	TBLASTX:Maize
Start	1088	End	2384
GI	none	Score	111
Exons	1088..1234, 1089..1232, 1096..1248, 1098..1259, 1228..1356, 1230..1382, 1250..1543, 1266..1538, 1417..1539, 1546..1677, 1551..1673, 1554..1679, 1555..1677, 2203..2379, 2230..2379, 2238..2384, 2247..2381		

Seq. No.	23563	Seq. ID	OJ990915_17.9C23.C17
Gene No.	49034	Strand	+
Start	281	End	1963
Name	OJ990915_17.9C23.C17.o1.gs	Method	GENSCAN
Start	281	End	1963
GI	none	Score	.93
Exons	281..769, 1718..1963		

Seq. No.	23564	Seq. ID	OJ990915_17.9C23.C19
Gene No.	49035	Strand	+
Start	274	End	2361
Name	OJ990915_17.9C23.C19.o1.gs	Method	GENSCAN
Start	274	End	1862
GI	none	Score	.58
Exons	274..792, 1153..1233, 1608..1862		
Seq. No.	23564	Seq. ID	OJ990915_17.9C23.C19
Gene No.	49035	Strand	+
Start	274	End	2361
Name	OJ990915_17.9C23.C19.o1.gp	Method	AAT/GAP
Start	1431	End	2361
GI	6547_5.R1084	Score	1802
Exons	1431..2361		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 1.0e-163 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	23564	Seq. ID	OJ990915_17.9C23.C19
Gene No.	49036	Strand	-
Start	2015	End	2490
Name	OJ990915_17.9C23.C19.o1.np	Method	AAT/NAP
Start	2015	End	2490
GI	6907106	Score	345
Exons	2015..2184, 2255..2490		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	23564	Seq. ID	OJ990915_17.9C23.C19
Gene No.	49036	Strand	-
Start	2015	End	2490
Name	OJ990915_17.9C23.C19.o1.tm	Method	TBLASTX:Maize
Start	2109	End	2462
GI	none	Score	81
Exons	2109..2279, 2115..2159, 2118..2165, 2171..2224, 2229..2315, 2244..2339, 2332..2433, 2357..2410, 2424..2462		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o1.gp	Method	AAT/GAP
Start	1	End	629
GI	48401_1.R1084	Score	1212
Exons	1..629		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 1.0e-39 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o1.gs	Method	GENSCAN
Start	82	End	3961
GI	none	Score	.71
Exons	82..305, 411..592, 830..1282, 1395..1745, 1845..2026, 2120..2246, 2571..2783, 3242..3370, 3506..3961		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20

Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o2.tm	Method	TBLASTX:Maize
Start	719	End	1068
GI	none	Score	184
Exons	719..1036, 722..1018, 754..1068		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o1.np	Method	AAT/NAP
Start	725	End	4112
GI	3298542	Score	928
Exons	725..1251, 1370..1745, 1845..2016, 2098..2244, 2584..2818, 3153..3370, 3506..3850, 3881..4112		
GI Descrip.	(AC004681) putative cellulose synthase [Arabidopsis thaliana]		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o2.tc	Method	TBLASTX:Cress
Start	1073	End	2798
GI	none	Score	114
Exons	1073..1255, 1392..1748, 1543..1743, 1842..1931, 2154..2240, 2676..2798, 2683..2781		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o1.ts	Method	TBLASTX:Soybean
Start	1344	End	2240
GI	none	Score	112
Exons	1344..1757, 1567..1761, 1576..1761, 1842..1916, 1963..1995, 2115..2240, 2134..2235		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o1.tm	Method	TBLASTX:Maize
Start	1446	End	2033
GI	none	Score	286
Exons	1446..1778, 1447..1746, 1842..1928, 1843..1914, 1950..2033, 1951..2025		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o3.ts	Method	TBLASTX:Soybean
Start	2589	End	2775
GI	none	Score	119
Exons	2589..2765, 2589..2774, 2621..2767, 2686..2775		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o2.ts	Method	TBLASTX:Soybean
Start	3576	End	3988

GI	none	Score	64
Exons	3576..3710, 3578..3721, 3731..3844, 3881..3988		
Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o1.tc	Method	TBLASTX:Cress
Start	3578	End	3988
GI	none	Score	87
Exons	3578..3721, 3731..3835, 3881..3988		

Seq. No.	23565	Seq. ID	OJ990915_17.9C23.C20
Gene No.	49037	Strand	-
Start	1	End	4112
Name	OJ990915_17.9C23.C20.o3.tm	Method	TBLASTX:Maize
Start	3578	End	3988
GI	none	Score	69
Exons	3578..3721, 3579..3710, 3731..3844, 3881..3988		

Seq. No.	23566	Seq. ID	OJ990915_17.9C23.C21
Gene No.	49038	Strand	+
Start	266	End	3656
Name	OJ990915_17.9C23.C21.o1.np	Method	AAT/NAP
Start	266	End	3656
GI	5295951	Score	83
Exons	266..308, 377..544, 3638..3656		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds. (U23857) [Oryza sativa]		

Seq. No.	23566	Seq. ID	OJ990915_17.9C23.C21
Gene No.	49039	Strand	-
Start	12	End	121
Name	OJ990915_17.9C23.C21.o1.gs	Method	GENSCAN
Start	12	End	121
GI	none	Score	1
Exons	12..121		

Seq. No.	23566	Seq. ID	OJ990915_17.9C23.C21
Gene No.	49040	Strand	-
Start	874	End	8294
Name	OJ990915_17.9C23.C21.o2.gs	Method	GENSCAN
Start	874	End	8260
GI	none	Score	.68
Exons	874..1020, 1268..1386, 1433..1540, 3235..3457, 3761..3800, 3986..4151, 5351..5563, 5698..5752, 5934..6059, 7772..8260		

Seq. No.	23566	Seq. ID	OJ990915_17.9C23.C21
Gene No.	49040	Strand	-
Start	874	End	8294
Name	OJ990915_17.9C23.C21.o2.tm	Method	TBLASTX:Maize
Start	3074	End	3428
GI	none	Score	71
Exons	3074..3166, 3077..3166, 3164..3427, 3183..3428		

Seq. No.	23566	Seq. ID	OJ990915_17.9C23.C21
Gene No.	49040	Strand	-
Start	874	End	8294

Name OJ990915_17.9C23.C21.o2.np Method AAT/NAP
 Start 3080 End 6061
 GI 3298541 Score 728
 Exons 3080..3618, 3791..4151, 4250..4326, 4409..4547, 4594..4713,
 5384..5563, 5698..5826, 5934..6061
 GI Descrip. (AC004681) putative cellulose synthase [Arabidopsis thaliana]

Seq. No. 23566 Seq. ID OJ990915_17.9C23.C21
 Gene No. 49040 Strand -
 Start 874 End 8294
 Name OJ990915_17.9C23.C21.o3.np Method AAT/NAP
 Start 3080 End 8294
 GI 3298542 Score 1126
 Exons 3080..3603, 3777..4151, 4250..4307, 4390..4547, 4594..4692,
 5363..5563, 5698..5826, 5934..6059, 7772..8116, 8202..8294
 GI Descrip. (AC004681) putative cellulose synthase [Arabidopsis thaliana]

Seq. No. 23566 Seq. ID OJ990915_17.9C23.C21
 Gene No. 49040 Strand -
 Start 874 End 8294
 Name OJ990915_17.9C23.C21.o2.tc Method TBLASTX:Cress
 Start 3416 End 5790
 GI none Score 111
 Exons 3416..3607, 3798..4157, 3964..4149, 4047..4154, 4247..4303,
 4603..4683, 5456..5560, 5680..5790, 5681..5779

Seq. No. 23566 Seq. ID OJ990915_17.9C23.C21
 Gene No. 49040 Strand -
 Start 874 End 8294
 Name OJ990915_17.9C23.C21.o3.tm Method TBLASTX:Maize
 Start 3431 End 8293
 GI none Score 87
 Exons 3431..3607, 4603..4683, 5456..5560, 5680..5775, 7817..7966,
 7833..7976, 8008..8109, 8201..8293

Seq. No. 23566 Seq. ID OJ990915_17.9C23.C21
 Gene No. 49040 Strand -
 Start 874 End 8294
 Name OJ990915_17.9C23.C21.o1.ts Method TBLASTX:Soybean
 Start 3777 End 4683
 GI none Score 99
 Exons 3777..4154, 3919..4155, 4247..4336, 4564..4683

Seq. No. 23566 Seq. ID OJ990915_17.9C23.C21
 Gene No. 49040 Strand -
 Start 874 End 8294
 Name OJ990915_17.9C23.C21.o1.tm Method TBLASTX:Maize
 Start 3852 End 4455
 GI none Score 291
 Exons 3852..4154, 3853..4158, 3883..4152, 4243..4296, 4247..4306,
 4248..4307, 4405..4455

Seq. No. 23566 Seq. ID OJ990915_17.9C23.C21
 Gene No. 49040 Strand -
 Start 874 End 8294
 Name OJ990915_17.9C23.C21.o3.ts Method TBLASTX:Soybean
 Start 5351 End 5555

GI	none	Score	92
Exons	5351..5554, 5459..5545, 5466..5555		
Seq. No.	23566	Seq. ID	OJ990915_17.9C23.C21
Gene No.	49040	Strand	-
Start	874	End	8294
Name	OJ990915_17.9C23.C21.o2.ts	Method	TBLASTX:Soybean
Start	7817	End	8293
GI	none	Score	68
Exons	7817..7966, 7881..7976, 8008..8109, 8036..8107, 8162..8293		
Seq. No.	23566	Seq. ID	OJ990915_17.9C23.C21
Gene No.	49040	Strand	-
Start	874	End	8294
Name	OJ990915_17.9C23.C21.o1.tc	Method	TBLASTX:Cress
Start	7823	End	8293
GI	none	Score	106
Exons	7823..7966, 7836..7976, 8008..8118, 8036..8128, 8201..8293		
Seq. No.	23567	Seq. ID	OJ990915_17.9C23.C22
Gene No.	49041	Strand	-
Start	4596	End	5511
Name	OJ990915_17.9C23.C22.o1.np	Method	AAT/NAP
Start	4596	End	5511
GI	5042454	Score	179
Exons	4596..4649, 5038..5210, 5421..5511		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	23568	Seq. ID	OJ990915_17.9C23.C23
Gene No.	49042	Strand	+
Start	1	End	2603
Name	OJ990915_17.9C23.C23.o1.np	Method	AAT/NAP
Start	1	End	888
GI	6815052	Score	475
Exons	1..30, 156..319, 401..475, 770..888		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	23568	Seq. ID	OJ990915_17.9C23.C23
Gene No.	49042	Strand	+
Start	1	End	2603
Name	OJ990915_17.9C23.C23.o1.gs	Method	GENSCAN
Start	166	End	2603
GI	none	Score	.48
Exons	166..236, 770..814, 1007..1039, 1148..1224, 2530..2603		
Seq. No.	23568	Seq. ID	OJ990915_17.9C23.C23
Gene No.	49043	Strand	-
Start	3627	End	3641
Name	OJ990915_17.9C23.C23.o2.gs	Method	GENSCAN
Start	3627	End	3641
GI	none	Score	.52
Exons	3627..3641		
Seq. No.	23569	Seq. ID	OJ990915_17.9C23.C24
Gene No.	49044	Strand	+
Start	212	End	601
Name	OJ990915_17.9C23.C24.o1.gs	Method	GENSCAN

Start	212	End	601
GI	none	Score	.9
Exons	212..601		

Seq. No.	23570	Seq. ID	OJ990915_17.9C23.C25
Gene No.	49045	Strand	+
Start	661	End	6927
Name	OJ990915_17.9C23.C25.o1.gs	Method	GENSCAN
Start	661	End	6682
GI	none	Score	.55
Exons	661..858, 3545..3613, 3836..4003, 6538..6682		

Seq. No.	23570	Seq. ID	OJ990915_17.9C23.C25
Gene No.	49045	Strand	+
Start	661	End	6927
Name	OJ990915_17.9C23.C25.o1.np	Method	AAT/NAP
Start	3849	End	6927
GI	4006879	Score	289
Exons	3849..4003, 6538..6682, 6906..6927		
GI Descrip.	(Z99707) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23571	Seq. ID	OJ990915_17.9C23.C26
Gene No.	49046	Strand	+
Start	1	End	3221
Name	OJ990915_17.9C23.C26.o1.np	Method	AAT/NAP
Start	1	End	2983
GI	3242705	Score	1087
Exons	1..37, 321..430, 505..621, 1178..1269, 1684..1876, 2008..2142, 2222..2320, 2461..2569, 2714..2826, 2909..2983		
GI Descrip.	(AC003040) unknown protein [Arabidopsis thaliana]		

Seq. No.	23571	Seq. ID	OJ990915_17.9C23.C26
Gene No.	49046	Strand	+
Start	1	End	3221
Name	OJ990915_17.9C23.C26.o1.gs	Method	GENSCAN
Start	329	End	2934
GI	none	Score	.89
Exons	329..430, 505..621, 1178..1236, 1702..1876, 2008..2142, 2204..2320, 2461..2560, 2714..2826, 2872..2934		

Seq. No.	23571	Seq. ID	OJ990915_17.9C23.C26
Gene No.	49046	Strand	+
Start	1	End	3221
Name	OJ990915_17.9C23.C26.o2.tm	Method	TBLASTX:Maize
Start	512	End	2079
GI	none	Score	52
Exons	512..553, 513..554, 514..585, 517..597, 551..619, 555..614, 556..624, 559..666, 1175..1240, 1177..1248, 1178..1261, 1702..1875, 1703..1876, 2004..2078, 2005..2079, 2007..2078, 2011..2079		

Seq. No.	23571	Seq. ID	OJ990915_17.9C23.C26
Gene No.	49046	Strand	+
Start	1	End	3221
Name	OJ990915_17.9C23.C26.o1.ts	Method	TBLASTX:Soybean
Start	1178	End	2986
GI	none	Score	61

Exons 1178..1234, 1700..1876, 1702..1881, 1702..1875, 1800..1877, 1988..2134, 2004..2123, 2005..2151, 2007..2144, 2209..2322, 2210..2338, 2458..2574, 2458..2559, 2460..2606, 2463..2564, 2710..2847, 2712..2828, 2746..2838, 2906..2986, 2917..2985

Seq. No. 23571 Seq. ID OJ990915_17.9C23.C26
Gene No. 49046 Strand +
Start 1 End 3221
Name OJ990915_17.9C23.C26.o1.tc Method TBLASTX:Cress
Start 1702 End 2323
GI none Score 226
Exons 1702..1875, 1703..1876, 1703..1885, 2004..2123, 2005..2151, 2007..2144, 2210..2323, 2210..2311, 2221..2322

Seq. No. 23571 Seq. ID OJ990915_17.9C23.C26
Gene No. 49046 Strand +
Start 1 End 3221
Name OJ990915_17.9C23.C26.o1.gp Method AAT/GAP
Start 1723 End 3221
GI 23776_1.R1084 Score 1653
Exons 1723..1876, 2008..2142, 2222..2320, 2462..2569, 2714..2826, 2909..3221

GI Descrip. '3242705 4.0e-52 (AC003040) putative nicotinate phosphoribosyltransferase [Arabidopsis thaliana].'

Seq. No. 23571 Seq. ID OJ990915_17.9C23.C26
Gene No. 49046 Strand +
Start 1 End 3221
Name OJ990915_17.9C23.C26.o1.tm Method TBLASTX:Maize
Start 2236 End 3086
GI none Score 148
Exons 2236..2316, 2237..2320, 2237..2326, 2458..2580, 2460..2567, 2709..2828, 2710..2847, 2710..2829, 2906..2989, 2917..2988, 3040..3075, 3042..3086

Seq. No. 23571 Seq. ID OJ990915_17.9C23.C26
Gene No. 49046 Strand +
Start 1 End 3221
Name OJ990915_17.9C23.C26.o2.tc Method TBLASTX:Cress
Start 2458 End 3004
GI none Score 144
Exons 2458..2580, 2463..2564, 2710..2847, 2712..2828, 2906..3004, 2917..3003

Seq. No. 23572 Seq. ID OJ990915_17.9C23.C27
Gene No. 49047 Strand +
Start 1212 End 3766
Name OJ990915_17.9C23.C27.o1.gs Method GENSCAN
Start 1212 End 3766
GI none Score .41
Exons 1212..1277, 1500..1631, 1696..1821, 2182..2291, 2580..2635, 3753..3766

Seq. No. 23572 Seq. ID OJ990915_17.9C23.C27
Gene No. 49048 Strand +
Start 4801 End 5188
Name OJ990915_17.9C23.C27.o1.gp Method AAT/GAP

Start 4801
GI 3061110
Exons 4801..5188

End 5188
Score 749

Seq. No. 23572 Seq. ID OJ990915_17.9C23.C27
Gene No. 49049 Strand +
Start 5179 End 8045
Name OJ990915_17.9C23.C27.o1.np Method AAT/NAP
Start 5164 End 8013
GI 2262143 Score 1214
Exons 5164..5475, 5502..5557, 5618..5864, 6280..6384, 6459..6581,
6648..6818, 6900..7029, 7116..7325, 7887..8013
GI Descrip. (AC002330) putative serine/threonine protein kinase [Arabidopsis
thaliana]

Seq. No. 23572 Seq. ID OJ990915_17.9C23.C27
Gene No. 49049 Strand +
Start 5179 End 8045
Name OJ990915_17.9C23.C27.o2.gs Method GENSCAN
Start 5179 End 8045
GI none Score .98
Exons 5179..5864, 6280..6384, 6459..6581, 6900..7029, 7116..7325,
7890..8045

Seq. No. 23572 Seq. ID OJ990915_17.9C23.C27
Gene No. 49050 Strand -
Start 9214 End 9445
Name OJ990915_17.9C23.C27.o1.tm Method TBLASTX:Maize
Start 5697 End 8254
GI none Score 278
Exons 5697..5864, 5698..5865, 6275..6391, 6277..6384, 6311..6415,
6312..6392, 6456..6581, 6457..6582, 6457..6582, 6595..6819,
6650..6820, 6651..6818, 6900..7034, 6901..7035, 6911..7036,
7113..7325, 7113..7340, 7118..7339, 7118..7342, 7225..7341,
7889..7942, 7890..7973, 7935..8003, 7938..8003, 7965..8030,
7990..8037, 7999..8079, 8157..8252, 8195..8254

Seq. No. 23572 Seq. ID OJ990915_17.9C23.C27
Gene No. 49050 Strand -
Start 9214 End 9445
Name OJ990915_17.9C23.C27.o2.ts Method TBLASTX:Soybean
Start 5701 End 5862
GI none Score 209
Exons 5701..5862, 5706..5861

Seq. No. 23572 Seq. ID OJ990915_17.9C23.C27
Gene No. 49050 Strand -
Start 9214 End 9445
Name OJ990915_17.9C23.C27.o1.tc Method TBLASTX:Cress
Start 5818 End 6819
GI none Score 66
Exons 5818..5865, 6277..6384, 6278..6391, 6311..6415, 6436..6588,
6456..6587, 6649..6819, 6653..6790, 6654..6818

Seq. No. 23572 Seq. ID OJ990915_17.9C23.C27
Gene No. 49050 Strand -
Start 9214 End 9445

Name	OJ990915_17.9C23.C27.o1.ts	Method	TBLASTX:Soybean
Start	6280	End	7301
GI	none	Score	164
Exons	6280..6375, 6281..6391, 6456..6497, 6457..6498, 6499..6582, 6501..6581, 6595..6819, 6657..6818, 6900..7031, 6901..7035, 6901..7032, 7113..7301, 7115..7282		

Seq. No.	23572	Seq. ID	OJ990915_17.9C23.C27
Gene No.	49050	Strand	-
Start	9214	End	9445
Name	OJ990915_17.9C23.C27.o1.tw	Method	TBLASTX:Wheat
Start	6290	End	6918
GI	none	Score	103
Exons	6290..6391, 6463..6513, 6529..6582, 6625..6777, 6901..6918		

Seq. No.	23572	Seq. ID	OJ990915_17.9C23.C27
Gene No.	49050	Strand	-
Start	9214	End	9445
Name	OJ990915_17.9C23.C27.o2.tc	Method	TBLASTX:Cress
Start	6912	End	7328
GI	none	Score	161
Exons	6912..7028, 6913..7035, 7113..7325, 7121..7279, 7224..7328		

Seq. No.	23572	Seq. ID	OJ990915_17.9C23.C27
Gene No.	49050	Strand	-
Start	9214	End	9445
Name	OJ990915_17.9C23.C27.o3.gs	Method	GENSCAN
Start	9214	End	9445
GI	none	Score	.4
Exons	9214..9249, 9359..9445		

Seq. No.	23573	Seq. ID	OJ990915_17.9C23.C28
Gene No.	49051	Strand	+
Start	153	End	1152
Name	OJ990915_17.9C23.C28.o1.gp	Method	AAT/GAP
Start	153	End	1107
GI	LIB3432-022-P1-K1-B9	Score	704
Exons	153..251, 369..417, 865..1107		
GI Descrip.	'4539292/emb CAB39595.1 5.0e-42 (AL049480) putative ribosomal protein S10 [Arabidopsis thaliana]'		

Seq. No.	23573	Seq. ID	OJ990915_17.9C23.C28
Gene No.	49051	Strand	+
Start	153	End	1152
Name	OJ990915_17.9C23.C28.o1.tw	Method	TBLASTX:Wheat
Start	215	End	1149
GI	none	Score	79
Exons	215..250, 216..251, 368..415, 369..416, 369..416, 864..1097, 864..956, 881..1099, 1012..1146, 1024..1149		

Seq. No.	23573	Seq. ID	OJ990915_17.9C23.C28
Gene No.	49051	Strand	+
Start	153	End	1152
Name	OJ990915_17.9C23.C28.o1.gs	Method	GENSCAN
Start	249	End	1119
GI	none	Score	.73
Exons	249..299, 369..417, 865..1119		

Seq. No.	23573	Seq. ID	OJ990915_17.9C23.C28
Gene No.	49051	Strand	+
Start	153	End	1152
Name	OJ990915_17.9C23.C28.o1.ts	Method	TBLASTX:Soybean
Start	357	End	1119
GI	none	Score	79
Exons	357..416, 368..430, 368..415, 864..1097, 884..1099, 1012..1119		
Seq. No.	23573	Seq. ID	OJ990915_17.9C23.C28
Gene No.	49051	Strand	+
Start	153	End	1152
Name	OJ990915_17.9C23.C28.o1.tm	Method	TBLASTX:Maize
Start	360	End	1149
GI	none	Score	86
Exons	360..416, 368..418, 368..412, 369..419, 864..1097, 864..956, 866..1147, 881..1099, 1015..1146, 1024..1149		
Seq. No.	23573	Seq. ID	OJ990915_17.9C23.C28
Gene No.	49051	Strand	+
Start	153	End	1152
Name	OJ990915_17.9C23.C28.o1.np	Method	AAT/NAP
Start	366	End	1152
GI	4539292	Score	436
Exons	366..417, 865..1152		
GI Descrip.	(AL049480) putative ribosomal protein S10 [Arabidopsis thaliana]		
Seq. No.	23573	Seq. ID	OJ990915_17.9C23.C28
Gene No.	49051	Strand	+
Start	153	End	1152
Name	OJ990915_17.9C23.C28.o1.tc	Method	TBLASTX:Cress
Start	369	End	1123
GI	none	Score	59
Exons	369..416, 864..1097, 884..1099, 1046..1123		
Seq. No.	23574	Seq. ID	OJ990325_01.9C03.C1
Gene No.	49052	Strand	+
Start	1	End	643
Name	OJ990325_01.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	601
GI	4966364	Score	196
Exons	1..57, 374..601		
GI Descrip.	(AC006341) Similar to gb AJ224359 surfeit locus protein 5 (surf5b) from Homo sapiens. [Arabidopsis thaliana]		
Seq. No.	23574	Seq. ID	OJ990325_01.9C03.C1
Gene No.	49052	Strand	+
Start	1	End	643
Name	OJ990325_01.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	364	End	591
GI	4396058	Score	51
Exons	364..462, 365..583, 376..582, 484..591		
GI Descrip.	2498977/sp_Q62276_SUR5 MOUSE 1.0e-12 SURFEIT LOCUS PROTEIN 5 >gi_1150512_emb_CAA59453_ (X85169) SURF-5 protein [Mus musculus]		
Seq. No.	23574	Seq. ID	OJ990325_01.9C03.C1
Gene No.	49052	Strand	+

Start 1
 Name OJ990325_01.9C03.C1.o1.gs
 Start 374
 GI none
 Exons 374..607

End 643
 Method GENSCAN
 End 607
 Score .96

Seq. No. 23574
 Gene No. 49052
 Start 1
 Name OJ990325_01.9C03.C1.o1.tc
 Start 374
 GI none
 Exons 374..580, 382..525

Seq. ID OJ990325_01.9C03.C1
 Strand +
 End 643
 Method TBLASTX:Cress
 End 580
 Score 188

Seq. No. 23574
 Gene No. 49052
 Start 1
 Name OJ990325_01.9C03.C1.o1.gp
 Start 375
 GI 5455511
 Exons 375..643

Seq. ID OJ990325_01.9C03.C1
 Strand +
 End 643
 Method AAT/GAP
 End 643
 Score 482

GI Descrip. 4966364/gb|AAD34695.1|AC006341_23 3.0e-35 (AC006341) Similar to gb_AJ224359 surfeit locus protein 5 (surf5b) from Homo sapiens. [Arabidopsis thaliana]

Seq. No. 23575
 Gene No. 49053
 Start 1
 Name OJ990325_01.9C03.C4.o1.np
 Start 1
 GI 6729033
 Exons 1..114, 149..295

Seq. ID OJ990325_01.9C03.C4
 Strand +
 End 295
 Method AAT/NAP
 End 295
 Score 106

GI Descrip. (AC009177) unknown protein [Arabidopsis thaliana]

Seq. No. 23575
 Gene No. 49054
 Start 3372
 Name OJ990325_01.9C03.C4.o3.gs
 Start 3372
 GI none
 Exons 3372..3721, 3836..3948, 4139..4267, 5314..5478, 5519..5694, 6060..6129, 6135..6267

Seq. ID OJ990325_01.9C03.C4
 Strand +
 End 6267
 Method GENSCAN
 End 6267
 Score .61

Seq. No. 23575
 Gene No. 49055
 Start 3164
 Name OJ990325_01.9C03.C4.o1.tm
 Start 741
 GI none
 Exons 741..788, 748..786, 748..792, 805..840, 810..926, 811..885, 1492..1671, 1517..1630, 1567..1635, 3393..3461, 3417..3461, 3418..3504, 3424..3465, 3486..3626, 3486..3626, 3487..3627, 3808..3909, 3810..3851, 3841..3906

Seq. ID OJ990325_01.9C03.C4
 Strand -
 End 3991
 Method TBLASTX:Maize
 End 3909
 Score 73

Seq. No. 23575
 Gene No. 49055
 Start 3164

Seq. ID OJ990325_01.9C03.C4
 Strand -
 End 3991

Name	OJ990325_01.9C03.C4.o1.gp	Method	AAT/GAP
Start	3164	End	3991
GI	18989_1.R1084	Score	1189
Exons	3164..3625, 3818..3991		
GI Descrip.	'409007/bbs 132625 4.0e-32 BBI-M=Bowman-Birk trypsin inhibitor-related protein [Zea mays=corn, Peptide, 102 aa] >gi_447268_prf__1914141A trypsin inhibitor-related protein [Zea mays]'		

Seq. No.	23575	Seq. ID	OJ990325_01.9C03.C4
Gene No.	49055	Strand	-
Start	3164	End	3991
Name	OJ990325_01.9C03.C4.o2.np	Method	AAT/NAP
Start	3417	End	3905
GI	400077	Score	337
Exons	3417..3625, 3818..3905		
GI Descrip.	BOWMAN-BIRK TYPE WOUND INDUCED PROTEINASE INHIBITOR WIP1 PRECURSOR gi 486850 pir S36236 wound-induced protein WIP1 precursor - maize gi 296180 emb CAA50519 (X71396) wound induced protein [Zea mays]		

Seq. No.	23576	Seq. ID	OJ990325_01.9C03.C8
Gene No.	49056	Strand	-
Start	671	End	1062
Name	OJ990325_01.9C03.C8.o1.gs	Method	GENSCAN
Start	671	End	1062
GI	none	Score	.47
Exons	671..714, 804..881, 932..1062		

Seq. No.	23577	Seq. ID	OJ990325_01.9C03.C9
Gene No.	49057	Strand	+
Start	494	End	701
Name	OJ990325_01.9C03.C9.o1.gs	Method	GENSCAN
Start	494	End	701
GI	none	Score	.43
Exons	494..538, 555..701		

Seq. No.	23578	Seq. ID	OJ990325_01.9C03.C11
Gene No.	49058	Strand	+
Start	134	End	362
Name	OJ990325_01.9C03.C11.o1.gs	Method	GENSCAN
Start	134	End	362
GI	none	Score	.56
Exons	134..362		

Seq. No.	23579	Seq. ID	OJ990325_01.9C03.C15
Gene No.	49059	Strand	+
Start	1	End	195
Name	OJ990325_01.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	195
GI	6752919	Score	165
Exons	1..195		
GI Descrip.	(AF225708) CRS2 [Zea mays]		

Seq. No.	23579	Seq. ID	OJ990325_01.9C03.C15
Gene No.	49060	Strand	+
Start	1985	End	4130

Name OJ990325_01.9C03.C15.o1.gp Method AAT/GAP
 Start 1985 End 4130
 GI uC-osflcyp179e09a1 Score 819
 Exons 1985..2025, 3744..4130
 GI Descrip. '4966364/gb|AAD34695.1|AC006341_23 3.0e-35 (AC006341) Similar to
 gb_AJ224359 surfeit locus protein 5 (surf5b) from Homo sapiens.
 [Arabidopsis thaliana]'

Seq. No. 23579 Seq. ID OJ990325_01.9C03.C15
 Gene No. 49061 Strand +
 Start 10374 End 10863
 Name OJ990325_01.9C03.C15.o2.np Method AAT/NAP
 Start 10374 End 10863
 GI 6715717 Score 278
 Exons 10374..10863
 GI Descrip. (AC016447) putative zinc finger protein [Arabidopsis thaliana]

Seq. No. 23579 Seq. ID OJ990325_01.9C03.C15
 Gene No. 49061 Strand +
 Start 10374 End 10863
 Name OJ990325_01.9C03.C15.o1.tc Method TBLASTX:Cress
 Start 10598 End 10850
 GI none Score 159
 Exons 10598..10678, 10599..10682, 10758..10829, 10761..10814,
 10797..10850

Seq. No. 23580 Seq. ID OJ990325_01.9C03.C18
 Gene No. 49062 Strand +
 Start 5732 End 10167
 Name OJ990325_01.9C03.C18.o1.gs Method GENSCAN
 Start 5732 End 10099
 GI none Score .45
 Exons 5732..5842, 6865..7018, 7953..8088, 8206..8440, 8529..8594,
 9866..10099

Seq. No. 23580 Seq. ID OJ990325_01.9C03.C18
 Gene No. 49062 Strand +
 Start 5732 End 10167
 Name OJ990325_01.9C03.C18.o1.np Method AAT/NAP
 Start 8285 End 10093
 GI 4966364 Score 391
 Exons 8285..8440, 8529..8594, 9866..10093
 GI Descrip. (AC006341) Similar to gb|AJ224359 surfeit locus protein 5
 (surf5b) from Homo sapiens. [Arabidopsis thaliana]

Seq. No. 23580 Seq. ID OJ990325_01.9C03.C18
 Gene No. 49062 Strand +
 Start 5732 End 10167
 Name OJ990325_01.9C03.C18.o1.gp Method AAT/GAP
 Start 8329 End 10167
 GI 5455511 Score 835
 Exons 8329..8440, 8529..8594, 9866..10167
 GI Descrip. 4966364/gb|AAD34695.1|AC006341_23 3.0e-35 (AC006341) Similar to
 gb_AJ224359 surfeit locus protein 5 (surf5b) from Homo sapiens.
 [Arabidopsis thaliana]

Seq. No. 23580 Seq. ID OJ990325_01.9C03.C18

Gene No.	49062	Strand	+
Start	5732	End	10167
Name	OJ990325_01.9C03.C18.o1.tc	Method	TBLASTX:Cress
Start	8351	End	10072
GI	none	Score	87
Exons	8351..8437, 8353..8442, 8523..8597, 8528..8587, 9866..10072, 9874..10017		

Seq. No.	23580	Seq. ID	OJ990325_01.9C03.C18
Gene No.	49062	Strand	+
Start	5732	End	10167
Name	OJ990325_01.9C03.C18.o1.ts	Method	TBLASTX:Soybean
Start	8353	End	10075
GI	4396058	Score	89
Exons	8353..8442, 8354..8437, 8523..8597, 8528..8599, 9857..10075, 9868..10074		
GI Descrip.	2498977/sp_Q62276_SUR5_MOUSE 1.0e-12 SURFEIT LOCUS PROTEIN 5 >gi_1150512_emb_CAA59453_ (X85169) SURF-5 protein [Mus musculus]		

Seq. No.	23581	Seq. ID	OJ990325_01.9C03.C19
Gene No.	49063	Strand	+
Start	7860	End	14793
Name	OJ990325_01.9C03.C19.o2.gs	Method	GENSCAN
Start	7860	End	14793
GI	none	Score	.53
Exons	7860..8177, 8297..8602, 8689..8812, 8958..9236, 9441..9812, 9845..9987, 11404..11499, 12530..12584, 13050..13141, 13207..13384, 14051..14793		

Seq. No.	23581	Seq. ID	OJ990325_01.9C03.C19
Gene No.	49064	Strand	-
Start	4100	End	4633
Name	OJ990325_01.9C03.C19.o1.gp	Method	AAT/GAP
Start	4100	End	4633
GI	LIB3433-007-Q6-K1-A1	Score	781
Exons	4100..4464, 4569..4633		
GI Descrip.	'6015437/dbj AB008112.1 AB008112 3.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	23582	Seq. ID	OJ990325_01.9C03.C20
Gene No.	49065	Strand	-
Start	1	End	3633
Name	OJ990325_01.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	3633
GI	1184075	Score	1140
Exons	1..64, 237..2681, 2745..3028, 3263..3633		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi 1587673 prf 2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	23582	Seq. ID	OJ990325_01.9C03.C20
Gene No.	49065	Strand	-
Start	1	End	3633
Name	OJ990325_01.9C03.C20.o1.gs	Method	GENSCAN
Start	90	End	3452
GI	none	Score	.87
Exons	90..3452		

Seq. No.	23582	Seq. ID	OJ990325_01.9C03.C20
Gene No.	49065	Strand	-
Start	1	End	3633
Name	OJ990325_01.9C03.C20.o1.ts	Method	TBLASTX:Soybean
Start	265	End	2909
GI	none	Score	217
Exons	265..675, 273..683, 330..599, 423..620, 726..827, 867..1058, 921..1052, 924..1043, 930..1040, 1047..1178, 1068..1121, 1137..1199, 1143..1193, 1146..1196, 1182..1256, 1212..1331, 1218..1388, 1323..1403, 1407..1580, 1440..1484, 1440..1478, 1488..1622, 1506..1574, 1659..1847, 1677..1718, 1731..1904, 1740..1904, 1740..1865, 1818..2039, 1953..2150, 1956..2072, 1956..2345, 1956..2216, 2025..2297, 2028..2294, 2178..2390, 2723..2740, 2772..2897, 2772..2873, 2772..2897, 2808..2909		

Seq. No.	23582	Seq. ID	OJ990325_01.9C03.C20
Gene No.	49065	Strand	-
Start	1	End	3633
Name	OJ990325_01.9C03.C20.o1.tw	Method	TBLASTX:Wheat
Start	270	End	2897
GI	none	Score	65
Exons	270..326, 303..680, 424..675, 918..1040, 1452..1580, 1884..2144, 2772..2897		

Seq. No.	23582	Seq. ID	OJ990325_01.9C03.C20
Gene No.	49065	Strand	-
Start	1	End	3633
Name	OJ990325_01.9C03.C20.o1.tc	Method	TBLASTX:Cress
Start	303	End	3614
GI	none	Score	63
Exons	303..623, 318..626, 339..623, 345..623, 345..533, 351..623, 351..620, 351..623, 394..519, 417..614, 420..620, 423..656, 423..533, 498..623, 774..824, 816..1112, 918..1043, 918..1034, 918..1037, 918..1040, 930..1043, 930..1034, 930..1043, 930..1040, 1146..1325, 1146..1196, 1203..1331, 1452..1580, 1494..1592, 1506..1586, 1677..1739, 1677..1730, 1740..2441, 1740..2135, 1740..1907, 1810..1917, 1878..2522, 1884..2495, 1884..2495, 1953..2435, 2028..2522, 2076..2522, 2089..2253, 2098..2259, 2166..2510, 2170..2361, 2305..2382, 2769..2891, 2772..2897, 2772..2873, 3375..3413, 3462..3614		

Seq. No.	23582	Seq. ID	OJ990325_01.9C03.C20
Gene No.	49065	Strand	-
Start	1	End	3633
Name	OJ990325_01.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	343	End	2522
GI	none	Score	74
Exons	343..435, 345..626, 345..623, 349..591, 351..623, 351..614, 417..623, 423..533, 444..623, 484..591, 816..1106, 918..1034, 930..1028, 1053..1109, 1137..1247, 1506..1580, 1734..2189, 1740..2318, 1744..2187, 1755..2426, 1884..2147, 1971..2459, 2070..2522, 2151..2186, 2196..2471		

Seq. No.	23583	Seq. ID	OJ990325_01.9C03.C21
Gene No.	49066	Strand	+
Start	43	End	234
Name	OJ990325_01.9C03.C21.o1.gs	Method	GENSCAN

Start 43
GI none
Exons 43..234

End 234
Score .89

Seq. No. 23584
Gene No. 49067
Start 1
Name OJ990325_01.9C03.C23.o1.np
Start 1
GI 5852093
Exons 1..20, 340..450
GI Descrip. (AL117264) zwh16.1 [Oryza sativa]

Seq. ID OJ990325_01.9C03.C23
Strand -
End 450
Method AAT/NAP
End 450
Score 70

Seq. No. 23584
Gene No. 49068
Start 685
Name OJ990325_01.9C03.C23.o1.gs
Start 685
GI none
Exons 685..798, 1024..1087

Seq. ID OJ990325_01.9C03.C23
Strand -
End 1087
Method GENSCAN
End 1087
Score .48

Seq. No. 23585
Gene No. 49069
Start 285
Name OJ990325_01.9C03.C25.o1.gs
Start 285
GI none
Exons 285..345, 1352..1481, 2651..2705, 2858..2976, 4076..4376

Seq. ID OJ990325_01.9C03.C25
Strand +
End 4376
Method GENSCAN
End 4376
Score .6

Seq. No. 23586
Gene No. 49070
Start 113
Name OJ990325_01.9C03.C26.o1.gs
Start 113
GI none
Exons 113..225, 614..798, 1592..1626

Seq. ID OJ990325_01.9C03.C26
Strand -
End 1626
Method GENSCAN
End 1626
Score .71

Seq. No. 23586
Gene No. 49071
Start 3319
Name OJ990325_01.9C03.C26.o2.gs
Start 3319
GI none
Exons 3319..3732, 3749..3793

Seq. ID OJ990325_01.9C03.C26
Strand -
End 3793
Method GENSCAN
End 3793
Score .51

Seq. No. 23587
Gene No. 49072
Start 596
Name OJ990325_01.9C03.C27.o1.gs
Start 596
GI none
Exons 596..732

Seq. ID OJ990325_01.9C03.C27
Strand +
End 732
Method GENSCAN
End 732
Score .49

Seq. No. 23587
Gene No. 49073
Start 3582
Name OJ990325_01.9C03.C27.o1.gp

Seq. ID OJ990325_01.9C03.C27
Strand +
End 4379
Method AAT/GAP

Start	3489	End	4379
GI	10883_1.R1084	Score	1710
Exons	3489..4379		
GI Descrip.	'5002212/gb AAD37363.1 AF144078_1 1.0e-46 (AF144078) alpha-xylosidase precursor [Arabidopsis thaliana] >gi_5734722_gb_AAD49987.1 AC008075_20 (AC008075) Identical to gb_AF144078_alpha-xylosidase precursor from Arabidopsis thaliana. ESTs gb_W43892, gb_N96165, gb_T46694, gb_N37141, gb_R64965, gb_R90271, gb_AA651443, gb_AA712305, gb_T04189 and gb_AA597852 c'		

Seq. No.	23587	Seq. ID	OJ990325_01.9C03.C27
Gene No.	49073	Strand	+
Start	3582	End	4379
Name	OJ990325_01.9C03.C27.o2.gs	Method	GENSCAN
Start	3582	End	4109
GI	none	Score	.98
Exons	3582..4109		

Seq. No.	23587	Seq. ID	OJ990325_01.9C03.C27
Gene No.	49074	Strand	+
Start	4587	End	6785
Name	OJ990325_01.9C03.C27.o3.gs	Method	GENSCAN
Start	4587	End	6785
GI	none	Score	.64
Exons	4587..4768, 4799..4816, 5672..5811, 5852..6121, 6181..6308, 6354..6478, 6719..6785		

Seq. No.	23588	Seq. ID	OJ990325_01.9C03.C28
Gene No.	49075	Strand	-
Start	2607	End	2971
Name	OJ990325_01.9C03.C28.o2.gs	Method	GENSCAN
Start	2607	End	2971
GI	none	Score	.58
Exons	2607..2971		

Seq. No.	23589	Seq. ID	OJ990325_01.9C03.C29
Gene No.	49076	Strand	+
Start	1685	End	3351
Name	OJ990325_01.9C03.C29.o2.tm	Method	TBLASTX:Maize
Start	746	End	1516
GI	none	Score	56
Exons	746..811, 758..847, 856..891, 856..897, 964..1017, 964..1017, 965..1018, 1189..1260, 1190..1300, 1190..1300, 1335..1382, 1350..1409, 1404..1514, 1406..1516		

Seq. No.	23589	Seq. ID	OJ990325_01.9C03.C29
Gene No.	49076	Strand	+
Start	1685	End	3351
Name	OJ990325_01.9C03.C29.o1.np	Method	AAT/NAP
Start	1685	End	3351
GI	3434973	Score	146
Exons	1685..2065, 3334..3351		
GI Descrip.	(AB008106) ethylene responsive element binding factor 4 [Arabidopsis thaliana]		

Seq. No.	23589	Seq. ID	OJ990325_01.9C03.C29
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Gene No.	49076	Strand	+
Start	1685	End	3351
Name	OJ990325_01.9C03.C29.o1.tm	Method	TBLASTX:Maize
Start	1755	End	2521
GI	none	Score	215
Exons	1755..1850, 1757..1918, 1758..1919, 2003..2029, 2088..2273, 2112..2276, 2384..2434, 2388..2441, 2500..2520, 2501..2521		
Seq. No.	23589	Seq. ID	OJ990325_01.9C03.C29
Gene No.	49076	Strand	+
Start	1685	End	3351
Name	OJ990325_01.9C03.C29.o1.gp	Method	AAT/GAP
Start	1779	End	2869
GI	939 1.R1084	Score	2043
Exons	1779..2869		
GI Descrip.	'5051932/gb AF141965.1 AF141965 1.0e-108 Oryza sativa MADS-box protein FDRMADS8 mRNA, complete cds'		
Seq. No.	23590	Seq. ID	OJ990325_01.9C03.C30
Gene No.	49077	Strand	+
Start	1525	End	2343
Name	OJ990325_01.9C03.C30.o1.gs	Method	GENSCAN
Start	1525	End	2343
GI	none	Score	.65
Exons	1525..1650, 2236..2343		
Seq. No.	23591	Seq. ID	OJ990325_01.9C03.C31
Gene No.	49078	Strand	+
Start	1	End	1749
Name	OJ990325_01.9C03.C31.o1.np	Method	AAT/NAP
Start	1	End	1743
GI	6729033	Score	244
Exons	1..50, 282..370, 828..881, 1441..1527, 1621..1743		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		
Seq. No.	23591	Seq. ID	OJ990325_01.9C03.C31
Gene No.	49078	Strand	+
Start	1	End	1749
Name	OJ990325_01.9C03.C31.o1.tc	Method	TBLASTX:Cress
Start	305	End	1740
GI	none	Score	84
Exons	305..373, 821..871, 825..887, 1438..1515, 1440..1514, 1616..1684, 1617..1733, 1618..1740		
Seq. No.	23591	Seq. ID	OJ990325_01.9C03.C31
Gene No.	49078	Strand	+
Start	1	End	1749
Name	OJ990325_01.9C03.C31.o1.gs	Method	GENSCAN
Start	308	End	1749
GI	none	Score	.91
Exons	308..417, 828..881, 1441..1527, 1621..1749		
Seq. No.	23592	Seq. ID	OJ990325_01.9C03.C33
Gene No.	49079	Strand	+
Start	324	End	521
Name	OJ990325_01.9C03.C33.o1.gs	Method	GENSCAN
Start	324	End	521

GI	none	Score	.62
Exons	324..521		
Seq. No.	23592	Seq. ID	OJ990325_01.9C03.C33
Gene No.	49080	Strand	-
Start	1	End	1789
Name	OJ990325_01.9C03.C33.o1.np	Method	AAT/NAP
Start	1	End	1789
GI	6730751	Score	69
Exons	1..65, 1659..1789		
GI Descrip.	(AC016529) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23592	Seq. ID	OJ990325_01.9C03.C33
Gene No.	49080	Strand	-
Start	1	End	1789
Name	OJ990325_01.9C03.C33.o2.gs	Method	GENSCAN
Start	901	End	1378
GI	none	Score	.76
Exons	901..936, 1325..1378		

Seq. No.	23593	Seq. ID	OJ990325_01.9C03.C34
Gene No.	49081	Strand	-
Start	1615	End	2139
Name	OJ990325_01.9C03.C34.o1.gp	Method	AAT/GAP
Start	1424	End	1855
GI	5607439	Score	843
Exons	1424..1855		

Seq. No.	23593	Seq. ID	OJ990325_01.9C03.C34
Gene No.	49081	Strand	-
Start	1615	End	2139
Name	OJ990325_01.9C03.C34.o1.gs	Method	GENSCAN
Start	1615	End	2139
GI	none	Score	1
Exons	1615..2139		

Seq. No.	23593	Seq. ID	OJ990325_01.9C03.C34
Gene No.	49081	Strand	-
Start	1615	End	2139
Name	OJ990325_01.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	1654	End	1900
GI	none	Score	143
Exons	1654..1782, 1655..1780, 1777..1872, 1792..1851, 1870..1899, 1871..1900		

Seq. No.	23594	Seq. ID	OJ990325_01.9C03.C35
Gene No.	49082	Strand	-
Start	322	End	407
Name	OJ990325_01.9C03.C35.o1.gs	Method	GENSCAN
Start	322	End	407
GI	none	Score	.91
Exons	322..407		

Seq. No.	23595	Seq. ID	OJ990325_01.9C03.C36
Gene No.	49083	Strand	-
Start	186	End	335
Name	OJ990325_01.9C03.C36.o1.gs	Method	GENSCAN

Start 186
GI none
Exons 186..335

End 335
Score .69

Seq. No. 23596
Gene No. 49084
Start 259
Name OJ990325_01.9C03.C38.o1.gs
Start 259
GI none
Exons 259..389, 440..543, 1351..1476

Seq. ID OJ990325_01.9C03.C38
Strand +
End 1476
Method GENSCAN
End 1476
Score .54

Seq. No. 23596
Gene No. 49085
Start 4040
Name OJ990325_01.9C03.C38.o1.np
Start 4040
GI 4163997
Exons 4040..4251, 4710..5368, 6166..6240
GI Descrip. (AF087483) alpha-xylosidase precursor [Arabidopsis thaliana]

Seq. ID OJ990325_01.9C03.C38
Strand +
End 6240
Method AAT/NAP
End 6240
Score 809

Seq. No. 23596
Gene No. 49085
Start 4040
Name OJ990325_01.9C03.C38.o1.tc
Start 5053
GI none
Exons 5053..5370, 5058..5369

Seq. ID OJ990325_01.9C03.C38
Strand +
End 6240
Method TBLASTX:Cress
End 5370
Score 454

Seq. No. 23596
Gene No. 49085
Start 4040
Name OJ990325_01.9C03.C38.o1.ts
Start 5119
GI none
Exons 5119..5370, 5121..5369, 5224..5376

Seq. ID OJ990325_01.9C03.C38
Strand +
End 6240
Method TBLASTX:Soybean
End 5376
Score 395

Seq. No. 23596
Gene No. 49085
Start 4040
Name OJ990325_01.9C03.C38.o1.tm
Start 5175
GI none
Exons 5175..5369, 5176..5370, 5294..5377

Seq. ID OJ990325_01.9C03.C38
Strand +
End 6240
Method TBLASTX:Maize
End 5377
Score 341

Seq. No. 23597
Gene No. 49086
Start 1
Name OJ990325_01.9C03.C39.o1.np
Start 1
GI 4163997
Exons 1..28, 742..1211
GI Descrip. (AF087483) alpha-xylosidase precursor [Arabidopsis thaliana]

Seq. ID OJ990325_01.9C03.C39
Strand +
End 1211
Method AAT/NAP
End 1211
Score 650

Seq. No. 23597
Gene No. 49086
Start 1

Seq. ID OJ990325_01.9C03.C39
Strand +
End 1211

Name OJ990325_01.9C03.C39.o1.tc
 Start 721
 GI none
 Exons 721..963, 733..1209, 746..1210

Method TBLASTX:Cress
 End 1210
 Score 91

Seq. No. 23597
 Gene No. 49086
 Start 1
 Name OJ990325_01.9C03.C39.o2.ts
 Start 742
 GI none
 Exons 742..843, 746..862

Seq. ID OJ990325_01.9C03.C39
 Strand +
 End 1211
 Method TBLASTX:Soybean
 End 862
 Score 189

Seq. No. 23597
 Gene No. 49086
 Start 1
 Name OJ990325_01.9C03.C39.o1.tm
 Start 745
 GI none
 Exons 745..939, 746..940, 897..941

Seq. ID OJ990325_01.9C03.C39
 Strand +
 End 1211
 Method TBLASTX:Maize
 End 941
 Score 352

Seq. No. 23597
 Gene No. 49086
 Start 1
 Name OJ990325_01.9C03.C39.o1.gs
 Start 747
 GI none
 Exons 747..1138

Seq. ID OJ990325_01.9C03.C39
 Strand +
 End 1211
 Method GENSCAN
 End 1138
 Score .62

Seq. No. 23597
 Gene No. 49086
 Start 1
 Name OJ990325_01.9C03.C39.o2.tm
 Start 1027
 GI none
 Exons 1027..1125, 1028..1126, 1124..1210, 1126..1209, 1127..1210, 1152..1211

Seq. ID OJ990325_01.9C03.C39
 Strand +
 End 1211
 Method TBLASTX:Maize
 End 1211
 Score 187

Seq. No. 23597
 Gene No. 49086
 Start 1
 Name OJ990325_01.9C03.C39.o1.ts
 Start 1084
 GI none
 Exons 1084..1209, 1085..1210

Seq. ID OJ990325_01.9C03.C39
 Strand +
 End 1211
 Method TBLASTX:Soybean
 End 1210
 Score 209

Seq. No. 23598
 Gene No. 49087
 Start 24
 Name OJ990325_01.9C03.C40.o1.gs
 Start 24
 GI none
 Exons 24..109, 276..282

Seq. ID OJ990325_01.9C03.C40
 Strand -
 End 282
 Method GENSCAN
 End 282
 Score .76

Seq. No. 23599
 Gene No. 49088
 Start 89

Seq. ID OJ990325_01.9C03.C41
 Strand +
 End 373

Name	OJ990325_01.9C03.C41.o1.gs	Method	GENSCAN
Start	89	End	373
GI	none	Score	.86
Exons	89..373		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49089	Strand	+
Start	1	End	2010
Name	OJ990325_01.9C03.C44.o1.np	Method	AAT/NAP
Start	1	End	1872
GI	4163997	Score	2234
Exons	1..1872		
GI Descrip.	(AF087483) alpha-xylosidase precursor [Arabidopsis thaliana]		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49089	Strand	+
Start	1	End	2010
Name	OJ990325_01.9C03.C44.o1.gs	Method	GENSCAN
Start	107	End	751
GI	none	Score	.96
Exons	107..751		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49089	Strand	+
Start	1	End	2010
Name	OJ990325_01.9C03.C44.o2.gs	Method	GENSCAN
Start	847	End	2010
GI	none	Score	.69
Exons	847..1809, 1939..2010		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49089	Strand	+
Start	1	End	2010
Name	OJ990325_01.9C03.C44.o1.gp	Method	AAT/GAP
Start	936	End	1379
GI	2311478	Score	804
Exons	936..1379		
GI Descrip.	5002212/gb AAD37363.1 AF144078_1 1.0e-46 (AF144078) alpha-xylosidase precursor [Arabidopsis thaliana] >gi_5734722_gb_AAD49987.1_AC008075_20 (AC008075) Identical to gb_AF144078_alpha-xylosidase precursor from Arabidopsis thaliana. ESTs gb_W43892, gb_N96165, gb_T46694, gb_N37141, gb_R64965, gb_R90271, gb_AA651443, gb_AA712305, gb_T04189 and gb_AA597852 c		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49090	Strand	-
Start	1541	End	2041
Name	OJ990325_01.9C03.C44.o3.tm	Method	TBLASTX:Maize
Start	1	End	188
GI	none	Score	332
Exons	1..186, 2..187, 2..187, 144..188		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49090	Strand	-
Start	1541	End	2041
Name	OJ990325_01.9C03.C44.o2.tc	Method	TBLASTX:Cress

Start	2	End	652
GI	none	Score	703
Exons	2..496, 4..495, 518..652, 518..649, 520..651		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49090	Strand	-
Start	1541	End	2041
Name	OJ990325_01.9C03.C44.o1.tm	Method	TBLASTX:Maize
Start	274	End	1286
GI	none	Score	187
Exons	274..372, 275..373, 275..373, 371..721, 372..533, 373..723, 374..721, 654..731, 714..1286, 721..1284		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49090	Strand	-
Start	1541	End	2041
Name	OJ990325_01.9C03.C44.o1.ts	Method	TBLASTX:Soybean
Start	427	End	1863
GI	none	Score	73
Exons	427..486, 428..478, 517..705, 518..721, 518..721, 711..1454, 712..1701, 1545..1700, 1753..1863		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49090	Strand	-
Start	1541	End	2041
Name	OJ990325_01.9C03.C44.o1.tc	Method	TBLASTX:Cress
Start	711	End	1452
GI	none	Score	971
Exons	711..1397, 712..1398, 1390..1452, 1401..1451		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49090	Strand	-
Start	1541	End	2041
Name	OJ990325_01.9C03.C44.o2.tm	Method	TBLASTX:Maize
Start	1326	End	1892
GI	none	Score	614
Exons	1326..1739, 1327..1743, 1486..1743, 1709..1882, 1735..1884, 1788..1883, 1819..1887, 1836..1892		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49090	Strand	-
Start	1541	End	2041
Name	OJ990325_01.9C03.C44.o3.tc	Method	TBLASTX:Cress
Start	1486	End	1869
GI	none	Score	178
Exons	1486..1713, 1533..1673, 1780..1869, 1794..1868		

Seq. No.	23600	Seq. ID	OJ990325_01.9C03.C44
Gene No.	49090	Strand	-
Start	1541	End	2041
Name	OJ990325_01.9C03.C44.o2.gp	Method	AAT/GAP
Start	1541	End	2041
GI	40932_1.R1084	Score	949
Exons	1541..2041		
GI Descrip.	'5002212/gb AAD37363.1 AF144078_1 4.0e-10 (AF144078) alpha-xylosidase precursor [Arabidopsis thaliana] >gi_5734722_gb_AAD49987.1_AC008075_20 (AC008075) Identical to		

gb_AF144078 alpha-xylosidase precursor from Arabidopsis thaliana. ESTs gb_W43892, gb_N96165, gb_T46694, gb_N37141, gb_R64965, gb_R90271, gb_AA651443, gb_AA712305, gb_T04189 and gb_AA597852 c⁺

Seq. No.	23601	Seq. ID	OJ990615_05.9C14.C1
Gene No.	49091	Strand	+
Start	465	End	656
Name	OJ990615_05.9C14.C1.ol.gs	Method	GENSCAN
Start	465	End	656
GI	none	Score	.4
Exons	465..656		

Seq. No.	23601	Seq. ID	OJ990615_05.9C14.C1
Gene No.	49092	Strand	-
Start	1	End	739
Name	OJ990615_05.9C14.C1.ol.np	Method	AAT/NAP
Start	1	End	739
GI	6358762	Score	306
Exons	1..206, 282..607, 683..739		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23602	Seq. ID	OJ990615_05.9C14.C2
Gene No.	49093	Strand	-
Start	491	End	13254
Name	OJ990615_05.9C14.C2.ol.gs	Method	GENSCAN
Start	491	End	12786
GI	none	Score	.74
Exons	491..564, 1834..2059, 2287..2394, 2509..2666, 2742..3038, 3834..4295, 4377..4520, 4671..4838, 4932..5174, 5250..5402, 6182..6290, 6853..6984, 7428..7586, 7826..7893, 8195..8497, 8965..9189, 9425..9877, 10412..10510, 10742..10936, 11000..11110, 12046..12102, 12730..12786		

Seq. No.	23602	Seq. ID	OJ990615_05.9C14.C2
Gene No.	49093	Strand	-
Start	491	End	13254
Name	OJ990615_05.9C14.C2.ol.np	Method	AAT/NAP
Start	1769	End	5369
GI	6358762	Score	1238
Exons	1769..2059, 2287..2370, 2509..2666, 2742..3038, 3834..4295, 4377..4520, 4671..4838, 4932..5174, 5250..5369		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23602	Seq. ID	OJ990615_05.9C14.C2
Gene No.	49093	Strand	-
Start	491	End	13254
Name	OJ990615_05.9C14.C2.ol.ts	Method	TBLASTX:Soybean
Start	2577	End	2966
GI	none	Score	46
Exons	2577..2660, 2632..2667, 2725..2856, 2757..2870, 2916..2966		

Seq. No.	23602	Seq. ID	OJ990615_05.9C14.C2
Gene No.	49093	Strand	-
Start	491	End	13254
Name	OJ990615_05.9C14.C2.ol.tm	Method	TBLASTX:Maize
Start	2982	End	4211

GI	none	Score	85
Exons	2982..3038, 2983..3045, 2984..3040, 3831..4211, 3837..4208, 3842..4210		

Seq. No.	23602	Seq. ID	OJ990615_05.9C14.C2
Gene No.	49093	Strand	-
Start	491	End	13254
Name	OJ990615_05.9C14.C2.o2.np	Method	AAT/NAP
Start	7427	End	13254
GI	6358772	Score	1497
Exons	7427..7579, 7819..7893, 8195..8497, 8965..9189, 9311..9877, 10412..10510, 10742..10936, 11000..11110, 11731..11876, 12955..13254		

GI Descrip. (AC011665) putative menaquinone biosynthesis protein
[Arabidopsis thaliana]

Seq. No.	23603	Seq. ID	OJ990615_05.9C14.C3
Gene No.	49094	Strand	-
Start	676	End	1790
Name	OJ990615_05.9C14.C3.o1.gs	Method	GENSCAN
Start	676	End	1790
GI	none	Score	.75
Exons	676..793, 876..1072, 1398..1790		

Seq. No.	23604	Seq. ID	OJ990615_05.9C14.C7
Gene No.	49095	Strand	+
Start	188	End	289
Name	OJ990615_05.9C14.C7.o1.gs	Method	GENSCAN
Start	188	End	289
GI	none	Score	.84
Exons	188..289		

Seq. No.	23605	Seq. ID	OJ990615_05.9C14.C8
Gene No.	49096	Strand	-
Start	84	End	508
Name	OJ990615_05.9C14.C8.o1.gs	Method	GENSCAN
Start	84	End	508
GI	none	Score	.67
Exons	84..218, 317..431, 454..508		

Seq. No.	23606	Seq. ID	OJ990615_05.9C14.C10
Gene No.	49097	Strand	+
Start	86	End	272
Name	OJ990615_05.9C14.C10.o1.gs	Method	GENSCAN
Start	86	End	272
GI	none	Score	.42
Exons	86..272		

Seq. No.	23607	Seq. ID	OJ990615_05.9C14.C11
Gene No.	49098	Strand	+
Start	196	End	413
Name	OJ990615_05.9C14.C11.o1.gs	Method	GENSCAN
Start	196	End	413
GI	none	Score	.98
Exons	196..413		

Seq. No.	23607	Seq. ID	OJ990615_05.9C14.C11
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Gene No. 49099
 Start 1094
 Name OJ990615_05.9C14.C11.o2.gs
 Start 1094
 GI none
 Exons 1094..1187

Strand -
 End 1187
 Method GENSCAN
 End 1187
 Score .83

Seq. No. 23608
 Gene No. 49100
 Start 71
 Name OJ990615_05.9C14.C12.o1.gp
 Start 71
 GI LIB3433-048-P1-K1-F6
 Exons 71..432

Seq. ID OJ990615_05.9C14.C12
 Strand +
 End 2437
 Method AAT/GAP
 End 432
 Score 561

GI Descrip. '5777612/emb|AJ245900.1|OSA245900 4.0e-47 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'

Seq. No. 23608
 Gene No. 49100
 Start 71
 Name OJ990615_05.9C14.C12.o1.gs
 Start 127
 GI none
 Exons 127..540, 1873..1914, 2092..2183, 2275..2437

Seq. ID OJ990615_05.9C14.C12
 Strand +
 End 2437
 Method GENSCAN
 End 2437
 Score .41

Seq. No. 23608
 Gene No. 49101
 Start 1
 Name OJ990615_05.9C14.C12.o1.np
 Start 1
 GI 5777619
 Exons 1..55, 169..366, 2770..2871

Seq. ID OJ990615_05.9C14.C12
 Strand -
 End 2871
 Method AAT/NAP
 End 2871
 Score 100

GI Descrip. (AJ245900) CAA30377.1 protein [Oryza sativa]

Seq. No. 23608
 Gene No. 49102
 Start 3001
 Name OJ990615_05.9C14.C12.o2.gs
 Start 3001
 GI none
 Exons 3001..3726, 3926..3958

Seq. ID OJ990615_05.9C14.C12
 Strand -
 End 3958
 Method GENSCAN
 End 3958
 Score .97

Seq. No. 23609
 Gene No. 49103
 Start 26
 Name OJ990615_05.9C14.C17.o1.gs
 Start 26
 GI none
 Exons 26..147

Seq. ID OJ990615_05.9C14.C17
 Strand +
 End 147
 Method GENSCAN
 End 147
 Score .88

Seq. No. 23610
 Gene No. 49104
 Start 787
 Name OJ990615_05.9C14.C19.o1.gs
 Start 787
 GI none
 Exons 787..796, 928..1127

Seq. ID OJ990615_05.9C14.C19
 Strand +
 End 1127
 Method GENSCAN
 End 1127
 Score .45

Seq. No.	23610	Seq. ID	OJ990615_05.9C14.C19
Gene No.	49105	Strand	
Start	3203	End	4702
Name	OJ990615_05.9C14.C19.ol.tw	Method	TBLASTX:Wheat
Start	3203	End	4177
GI	none	Score	164
Exons	3203..3313, 3205..3336, 3205..3300, 3500..3736, 3500..3739, 3502..3744, 4035..4175, 4052..4177		

Seq. No.	23610	Seq. ID	OJ990615_05.9C14.C19
Gene No.	49105	Strand	
Start	3203	End	4702
Name	OJ990615_05.9C14.C19.ol.ts	Method	TBLASTX:Soybean
Start	3499	End	3761
GI	none	Score	231
Exons	3499..3738, 3500..3742, 3500..3760, 3501..3761		

Seq. No.	23610	Seq. ID	OJ990615_05.9C14.C19
Gene No.	49105	Strand	
Start	3203	End	4702
Name	OJ990615_05.9C14.C19.ol.tm	Method	TBLASTX:Maize
Start	3508	End	4702
GI	none	Score	285
Exons	3508..3744, 3509..3736, 4047..4172, 4052..4204, 4293..4520, 4296..4520, 4297..4527, 4526..4702, 4593..4697, 4610..4699		

Seq. No.	23610	Seq. ID	OJ990615_05.9C14.C19
Gene No.	49106	Strand	
Start	4700	End	6909
Name	OJ990615_05.9C14.C19.ol.tc	Method	TBLASTX:Cress
Start	4700	End	6909
GI	none	Score	79
Exons	4700..4807, 4701..4808, 6502..6648, 6503..6655, 6730..6756, 6859..6909		

Seq. No.	23611	Seq. ID	OJ990615_05.9C14.C20
Gene No.	49107	Strand	+
Start	1428	End	3903
Name	OJ990615_05.9C14.C20.ol.gp	Method	AAT/GAP
Start	1428	End	3903
GI	358_4.R1084	Score	965
Exons	1428..1471, 3432..3903		
GI Descrip.	'2492487/sp Q43470 143B_HORVU 4.0e-75 14-3-3-LIKE PROTEIN B (14-3-3B) >gi_1070354_emb_CAA63658_ (X93170) Hv14-3-3b [Hordeum vulgare]'		

Seq. No.	23611	Seq. ID	OJ990615_05.9C14.C20
Gene No.	49107	Strand	+
Start	1428	End	3903
Name	OJ990615_05.9C14.C20.ol.np	Method	AAT/NAP
Start	1919	End	2404
GI	5051763	Score	280
Exons	1919..2251, 2285..2404		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	23611	Seq. ID	OJ990615_05.9C14.C20
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Gene No. 49107
 Start 1428
 Name OJ990615_05.9C14.C20.o2.tc
 Start 2018
 GI none
 Exons 2018..2251

Strand +
 End 3903
 Method TBLASTX:Cress
 End 2251
 Score 218

Seq. No. 23611
 Gene No. 49107
 Start 1428
 Name OJ990615_05.9C14.C20.o2.ts
 Start 2027
 GI none
 Exons 2027..2251, 2161..2250

Seq. ID OJ990615_05.9C14.C20
 Strand +
 End 3903
 Method TBLASTX:Soybean
 End 2251
 Score 216

Seq. No. 23611
 Gene No. 49107
 Start 1428
 Name OJ990615_05.9C14.C20.o1.tw
 Start 3446
 GI none
 Exons 3446..3886, 3486..3887

Seq. ID OJ990615_05.9C14.C20
 Strand +
 End 3903
 Method TBLASTX:Wheat
 End 3887
 Score 593

Seq. No. 23611
 Gene No. 49107
 Start 1428
 Name OJ990615_05.9C14.C20.o2.np
 Start 3474
 GI 2492487
 Exons 3474..3903

Seq. ID OJ990615_05.9C14.C20
 Strand +
 End 3903
 Method AAT/NAP
 End 3903
 Score 659

GI Descrip. 14-3-3-LIKE PROTEIN B (14-3-3B) gi|1070354|emb|CAA63658|
 (X93170) Hv14-3-3b [Hordeum vulgare]

Seq. No. 23611
 Gene No. 49107
 Start 1428
 Name OJ990615_05.9C14.C20.o1.tc
 Start 3479
 GI none
 Exons 3479..3886, 3495..3887

Seq. ID OJ990615_05.9C14.C20
 Strand +
 End 3903
 Method TBLASTX:Cress
 End 3887
 Score 591

Seq. No. 23611
 Gene No. 49107
 Start 1428
 Name OJ990615_05.9C14.C20.o1.ts
 Start 3485
 GI none
 Exons 3485..3886, 3486..3887

Seq. ID OJ990615_05.9C14.C20
 Strand +
 End 3903
 Method TBLASTX:Soybean
 End 3887
 Score 594

Seq. No. 23611
 Gene No. 49107
 Start 1428
 Name OJ990615_05.9C14.C20.o1.tm
 Start 3490
 GI none
 Exons 3490..3519, 3490..3519, 3522..3887, 3563..3886

Seq. ID OJ990615_05.9C14.C20
 Strand +
 End 3903
 Method TBLASTX:Maize
 End 3887
 Score 58

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49108	Strand	+
Start	1	End	3849
Name	OJ990615_05.9C14.C21.o1.gp	Method	AAT/GAP
Start	1	End	1816
GI	358_2.R1084	Score	1535
Exons	1..127, 288..410, 1072..1188, 1283..1816		
GI Descrip.	'2811014/sp O02414 DYL1_ANTCR 8.0e-14 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]'		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49108	Strand	+
Start	1	End	3849
Name	OJ990615_05.9C14.C21.o1.np	Method	AAT/NAP
Start	1	End	1339
GI	2492487	Score	498
Exons	1..127, 288..410, 1072..1188, 1283..1339		
GI Descrip.	14-3-3-LIKE PROTEIN B (14-3-3B) gi 1070354 emb CAA63658 (X93170) Hv14-3-3b [Hordeum vulgare]		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49108	Strand	+
Start	1	End	3849
Name	OJ990615_05.9C14.C21.o1.gs	Method	GENSCAN
Start	32	End	3849
GI	none	Score	.69
Exons	32..127, 288..410, 1072..1188, 1452..1601, 1619..1789, 3007..3206, 3517..3633, 3807..3849		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-
Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o2.tc	Method	TBLASTX:Cress
Start	41	End	1220
GI	none	Score	126
Exons	41..139, 46..129, 264..410, 267..413, 283..414, 284..412, 284..430, 1061..1180, 1069..1188, 1071..1220		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-
Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o2.ts	Method	TBLASTX:Soybean
Start	41	End	1205
GI	none	Score	123
Exons	41..139, 46..144, 276..410, 284..430, 1069..1188, 1070..1174, 1071..1205		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-
Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o2.tm	Method	TBLASTX:Maize
Start	46	End	1355
GI	none	Score	139
Exons	46..123, 47..139, 263..430, 264..410, 287..412, 1058..1177, 1061..1189, 1069..1188, 1071..1205, 1277..1345, 1281..1355		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-
Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o1.tw	Method	TBLASTX:Wheat
Start	264	End	1193
GI	none	Score	207
Exons	264..410, 287..403, 326..415, 331..411, 1061..1186, 1066..1188, 1067..1183, 1131..1193		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-
Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o2.gp	Method	AAT/GAP
Start	3992	End	7215
GI	287148	Score	689
Exons	3992..4255, 7107..7215		
GI Descrip.	2811014/sp O02414 DYL1_ANTCR 8.0e-14 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-
Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o1.ts	Method	TBLASTX:Soybean
Start	4088	End	4267
GI	4302625	Score	121
Exons	4088..4258, 4103..4267, 4104..4262, 4189..4263		
GI Descrip.	2811014/sp O02414 DYL1_ANTCR 1.0e-10 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-
Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o1.tm	Method	TBLASTX:Maize
Start	4094	End	4270
GI	none	Score	219
Exons	4094..4258, 4095..4256, 4103..4270		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-
Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o2.gs	Method	GENSCAN
Start	4094	End	7544
GI	none	Score	.89
Exons	4094..4255, 7107..7544		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-
Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o1.tc	Method	TBLASTX:Cress
Start	4112	End	4280
GI	none	Score	151
Exons	4112..4276, 4113..4280		

Seq. No.	23612	Seq. ID	OJ990615_05.9C14.C21
Gene No.	49109	Strand	-

Start	3992	End	7544
Name	OJ990615_05.9C14.C21.o2.np	Method	AAT/NAP
Start	4121	End	7244
GI	2811014	Score	142
Exons	4121..4255, 7107..7244		
GI Descrip.	DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM gi 2208914 dbj BAA20525 (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	23613	Seq. ID	OJ990615_05.9C14.C22
Gene No.	49110	Strand	-
Start	1369	End	1890
Name	OJ990615_05.9C14.C22.o1.gs	Method	GENSCAN
Start	1369	End	1824
GI	none	Score	.84
Exons	1369..1824		

Seq. No.	23613	Seq. ID	OJ990615_05.9C14.C22
Gene No.	49110	Strand	-
Start	1369	End	1890
Name	OJ990615_05.9C14.C22.o1.tm	Method	TBLASTX:Maize
Start	1381	End	1890
GI	none	Score	546
Exons	1381..1890, 1382..1885		

Seq. No.	23613	Seq. ID	OJ990615_05.9C14.C22
Gene No.	49110	Strand	-
Start	1369	End	1890
Name	OJ990615_05.9C14.C22.o1.ts	Method	TBLASTX:Soybean
Start	1381	End	1890
GI	none	Score	408
Exons	1381..1890, 1388..1870, 1729..1884		

Seq. No.	23613	Seq. ID	OJ990615_05.9C14.C22
Gene No.	49110	Strand	-
Start	1369	End	1890
Name	OJ990615_05.9C14.C22.o1.np	Method	AAT/NAP
Start	1384	End	1890
GI	1946331	Score	649
Exons	1384..1890		
GI Descrip.	(U69155) prohibitin [Arabidopsis thaliana] gi 4097692 (U66593) prohibitin 3 [Arabidopsis thaliana]		

Seq. No.	23613	Seq. ID	OJ990615_05.9C14.C22
Gene No.	49110	Strand	-
Start	1369	End	1890
Name	OJ990615_05.9C14.C22.o1.tc	Method	TBLASTX:Cress
Start	1403	End	1890
GI	none	Score	378
Exons	1403..1885, 1405..1890, 1762..1890		

Seq. No.	23613	Seq. ID	OJ990615_05.9C14.C22
Gene No.	49110	Strand	-
Start	1369	End	1890
Name	OJ990615_05.9C14.C22.o1.tw	Method	TBLASTX:Wheat
Start	1642	End	1890
GI	none	Score	53

Exons 1642..1890, 1793..1855

Seq. No.	23614	Seq. ID	OJ990615_05.9C14.C24
Gene No.	49111	Strand	+
Start	509	End	2591
Name	OJ990615_05.9C14.C24.o1.gs	Method	GENSCAN
Start	509	End	2490
GI	none	Score	.96
Exons	509..1316, 1367..1393, 1429..1499, 1601..2167, 2245..2490		

Seq. No.	23614	Seq. ID	OJ990615_05.9C14.C24
Gene No.	49111	Strand	+
Start	509	End	2591
Name	OJ990615_05.9C14.C24.o1.np	Method	AAT/NAP
Start	662	End	2418
GI	5454204	Score	707
Exons	662..972, 1000..1134, 1183..1316, 1429..1523, 1601..2159, 2231..2418		

GI Descrip. (AC005698) T3P18.18 [Arabidopsis.thaliana]

Seq. No.	23614	Seq. ID	OJ990615_05.9C14.C24
Gene No.	49111	Strand	+
Start	509	End	2591
Name	OJ990615_05.9C14.C24.o1.ts	Method	TBLASTX:Soybean
Start	767	End	1502
GI	none	Score	66
Exons	767..814, 767..808, 881..964, 887..955, 1040..1108, 1048..1107, 1148..1192, 1244..1318, 1428..1502		

Seq. No.	23614	Seq. ID	OJ990615_05.9C14.C24
Gene No.	49111	Strand	+
Start	509	End	2591
Name	OJ990615_05.9C14.C24.o1.tm	Method	TBLASTX:Maize
Start	1247	End	2155
GI	none	Score	75
Exons	1247..1318, 1427..1501, 1428..1502, 1598..1705, 1841..1912, 1910..2155, 1915..2148		

Seq. No.	23614	Seq. ID	OJ990615_05.9C14.C24
Gene No.	49111	Strand	+
Start	509	End	2591
Name	OJ990615_05.9C14.C24.o2.ts	Method	TBLASTX:Soybean
Start	1841	End	2164
GI	none	Score	93
Exons	1841..1912, 1862..2164, 2017..2139		

Seq. No.	23614	Seq. ID	OJ990615_05.9C14.C24
Gene No.	49111	Strand	+
Start	509	End	2591
Name	OJ990615_05.9C14.C24.o1.gp	Method	AAT/GAP
Start	2034	End	2591
GI	3761937	Score	867
Exons	2034..2167, 2245..2591		

Seq. No.	23615	Seq. ID	OJ990615_05.9C14.C25
Gene No.	49112	Strand	+
Start	79	End	464

Name	OJ990615_05.9C14.C25.o1.gs	Method	GENSCAN
Start	79	End	464
GI	none	Score	.82
Exons	79..210, 327..464		
Seq. No.	23615	Seq. ID	OJ990615_05.9C14.C25
Gene No.	49113	Strand	-
Start	1	End	470
Name	OJ990615_05.9C14.C25.o1.np	Method	AAT/NAP
Start	1	End	470
GI	6118338	Score	45
Exons	1..132, 284..470		
GI Descrip.	(AF190125) TonB2 [Pseudomonas aeruginosa]		
Seq. No.	23616	Seq. ID	OJ990615_05.9C14.C27
Gene No.	49114	Strand	+
Start	1025	End	4051
Name	OJ990615_05.9C14.C27.o1.gs	Method	GENSCAN
Start	1025	End	3537
GI	none	Score	.91
Exons	1025..2162, 2262..2624, 3422..3537		
Seq. No.	23616	Seq. ID	OJ990615_05.9C14.C27
Gene No.	49114	Strand	+
Start	1025	End	4051
Name	OJ990615_05.9C14.C27.o1.np	Method	AAT/NAP
Start	1215	End	4051
GI	6856199	Score	35
Exons	1215..1251, 3377..3475, 4019..4051		
GI Descrip.	(AF180023) photosystem I P700 apoprotein A1 [Psilotum nudum]		
Seq. No.	23617	Seq. ID	OJ990615_05.9C14.C28
Gene No.	49115	Strand	+
Start	600	End	854
Name	OJ990615_05.9C14.C28.o1.gp	Method	AAT/GAP
Start	600	End	854
GI	2797034	Score	366
Exons	600..854		
Seq. No.	23617	Seq. ID	OJ990615_05.9C14.C28
Gene No.	49116	Strand	-
Start	2535	End	3631
Name	OJ990615_05.9C14.C28.o2.gp	Method	AAT/GAP
Start	2271	End	3111
GI	27115_1.R1084	Score	1638
Exons	2271..3111		
GI Descrip.	'4678321/emb CAB41132.1 2.0e-36 (AL049658) putative protein [Arabidopsis thaliana]'		
Seq. No.	23617	Seq. ID	OJ990615_05.9C14.C28
Gene No.	49116	Strand	-
Start	2535	End	3631
Name	OJ990615_05.9C14.C28.o1.gs	Method	GENSCAN
Start	2535	End	3631
GI	none	Score	.7
Exons	2535..3484, 3604..3631		

Seq. No.	23617	Seq. ID	OJ990615_05.9C14.C28
Gene No.	49116	Strand	-
Start	2535	End	3631
Name	OJ990615_05.9C14.C28.o1.np	Method	AAT/NAP
Start	2538	End	3114
GI	4678321	Score	312
Exons	2538..2792, 2823..3114		
GI Descrip.	(AL049658) putative protein [Arabidopsis thaliana]		

Seq. No.	23617	Seq. ID	OJ990615_05.9C14.C28
Gene No.	49116	Strand	-
Start	2535	End	3631
Name	OJ990615_05.9C14.C28.o1.tm	Method	TBLASTX:Maize
Start	2712	End	3444
GI	none	Score	249
Exons	2712..2942, 2713..2937, 2723..2956, 3002..3082, 3009..3083, 3113..3184, 3264..3383, 3297..3404, 3337..3444		

Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49117	Strand	+
Start	666	End	2916
Name	OJ990615_05.9C14.C29.o1.gs	Method	GENSCAN
Start	666	End	2916
GI	none	Score	.63
Exons	666..791, 2905..2916		

Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49118	Strand	-
Start	1	End	348
Name	OJ990615_05.9C14.C29.o1.np	Method	AAT/NAP
Start	1	End	348
GI	4678321	Score	58
Exons	1..149, 274..348		
GI Descrip.	(AL049658) putative protein [Arabidopsis thaliana]		

Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49119	Strand	-
Start	3379	End	6478
Name	OJ990615_05.9C14.C29.o2.gs	Method	GENSCAN
Start	3379	End	6471
GI	none	Score	.62
Exons	3379..4315, 5084..5217, 5550..5604, 6152..6471		

Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49119	Strand	-
Start	3379	End	6478
Name	OJ990615_05.9C14.C29.o2.np	Method	AAT/NAP
Start	3409	End	6478
GI	4490323	Score	1126
Exons	3409..4315, 6152..6478		
GI Descrip.	(AJ131464) nitrate transporter [Arabidopsis thaliana]		

Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49119	Strand	-
Start	3379	End	6478
Name	OJ990615_05.9C14.C29.o1.tw	Method	TBLASTX:Wheat
Start	3502	End	3820

GI	none	Score	90
Exons	3502..3630, 3631..3819, 3632..3820		
Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49119	Strand	-
Start	3379	End	6478
Name	OJ990615_05.9C14.C29.o1.tm	Method	TBLASTX:Maize
Start	3505	End	4206
GI	none	Score	184
Exons	3505..3630, 3631..3825, 3632..3820,, 3847..3999, 4093..4206, 4100..4183		

Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49119	Strand	-
Start	3379	End	6478
Name	OJ990615_05.9C14.C29.o1.ts	Method	TBLASTX:Soybean
Start	3508	End	4119
GI	none	Score	171
Exons	3508..3621, 3631..3828, 3644..3829, 3865..3999, 4093..4119		

Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49119	Strand	-
Start	3379	End	6478
Name	OJ990615_05.9C14.C29.o1.tc	Method	TBLASTX:Cress
Start	3685	End	6405
GI	none	Score	179
Exons	3685..3828, 3689..3829, 3853..4002, 3854..3928, 4093..4206, 4097..4183, 4270..4317, 6151..6405, 6233..6403		

Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49119	Strand	-
Start	3379	End	6478
Name	OJ990615_05.9C14.C29.o2.tm	Method	TBLASTX:Maize
Start	6148	End	6478
GI	none	Score	293
Exons	6148..6477, 6149..6478		

Seq. No.	23618	Seq. ID	OJ990615_05.9C14.C29
Gene No.	49119	Strand	-
Start	3379	End	6478
Name	OJ990615_05.9C14.C29.o2.ts	Method	TBLASTX:Soybean
Start	6193	End	6472
GI	none	Score	91
Exons	6193..6462, 6233..6472		

Seq. No.	23619	Seq. ID	OJ990615_05.9C14.C30
Gene No.	49120	Strand	-
Start	1	End	1830
Name	OJ990615_05.9C14.C30.o1.np	Method	AAT/NAP
Start	1	End	482
GI	4490323	Score	331
Exons	1..314, 431..482		
GI Descrip.	(AJ131464) nitrate transporter [Arabidopsis thaliana]		

Seq. No.	23619	Seq. ID	OJ990615_05.9C14.C30
Gene No.	49120	Strand	-
Start	1	End	1830

Name	OJ990615_05.9C14.C30.o1.gs	Method	GENSCAN
Start	97	End	1830
GI	none	Score	.52
Exons	97..314, 431..548, 789..826, 1057..1205, 1468..1617, 1716..1830		

Seq. No.	23619	Seq. ID	OJ990615_05.9C14.C30
Gene No.	49120	Strand	-
Start	1	End	1830
Name	OJ990615_05.9C14.C30.o1.ts	Method	TBLASTX:Soybean
Start	130	End	494
GI	none	Score	158
Exons	130..315, 140..292, 426..494, 427..483		

Seq. No.	23619	Seq. ID	OJ990615_05.9C14.C30
Gene No.	49120	Strand	-
Start	1	End	1830
Name	OJ990615_05.9C14.C30.o1.tc	Method	TBLASTX:Cress
Start	133	End	494
GI	none	Score	216
Exons	133..315, 140..292, 247..315, 426..494, 427..483		

Seq. No.	23620	Seq. ID	OJ990615_05.9C14.C31
Gene No.	49121	Strand	+
Start	61	End	4694
Name	OJ990615_05.9C14.C31.o1.gs	Method	GENSCAN
Start	61	End	4694
GI	none	Score	.4
Exons	61..174, 195..349, 1053..1210, 2834..2880, 3431..3503, 4535..4694		

Seq. No.	23620	Seq. ID	OJ990615_05.9C14.C31
Gene No.	49121	Strand	+
Start	61	End	4694
Name	OJ990615_05.9C14.C31.o1.np	Method	AAT/NAP
Start	2216	End	4240
GI	6721512	Score	75
Exons	2216..2259, 4116..4240		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	23621	Seq. ID	OJ990615_05.9C14.C32
Gene No.	49122	Strand	+
Start	464	End	11676
Name	OJ990615_05.9C14.C32.o1.np	Method	AAT/NAP
Start	464	End	8889
GI	6692267	Score	2651
Exons	464..744, 841..1032, 2159..2314, 2843..3136, 3389..3606, 3692..3766, 3872..3938, 4218..4513, 4965..5204, 5285..5543, 7049..7304, 7397..7495, 7596..7654, 8511..8616, 8728..8889		
GI Descrip.	(AC010870) putative phosphatidylinositolglycan class N short form [Arabidopsis thaliana]		

Seq. No.	23621	Seq. ID	OJ990615_05.9C14.C32
Gene No.	49122	Strand	+
Start	464	End	11676
Name	OJ990615_05.9C14.C32.o1.gs	Method	GENSCAN
Start	522	End	11676
GI	none	Score	.43

Exons 522..744, 841..1032, 2159..2314, 2843..3136, 3389..3606,
3872..3938, 4218..4355, 5800..6001, 6918..7020, 7397..7495,
7541..7654, 8728..8784, 9678..10115, 10657..10932, 10981..11201,
11397..11523, 11662..11676

Seq. No.	23621	Seq. ID	OJ990615_05.9C14.C32
Gene No.	49122	Strand	+
Start	464	End	11676
Name	OJ990615_05.9C14.C32.o1.gp	Method	AAT/GAP
Start	9980	End	10305
GI	6674_1.R1084	Score	630
Exons	9980..10305		
GI Descrip.	'295500/gb L14444 WHTHSP169C 4.0e-19 Triticum aestivum heat shock protein 16.9C (hsp16.9C) mRNA, 3'' end'		

Seq. No.	23621	Seq. ID	OJ990615_05.9C14.C32
Gene No.	49123	Strand	-
Start	12638	End	17516
Name	OJ990615_05.9C14.C32.o1.tc	Method	TBLASTX:Cress
Start	582	End	938
GI	none	Score	248
Exons	582..743, 626..757, 833..907, 840..938		

Seq. No.	23621	Seq. ID	OJ990615_05.9C14.C32
Gene No.	49123	Strand	-
Start	12638	End	17516
Name	OJ990615_05.9C14.C32.o2.tm	Method	TBLASTX:Maize
Start	4336	End	5207
GI	none	Score	215
Exons	4336..4374, 4345..4542, 4358..4543, 4361..4540, 4914..5204, 4915..5205, 4965..5207, 4970..5206		

Seq. No.	23621	Seq. ID	OJ990615_05.9C14.C32
Gene No.	49123	Strand	-
Start	12638	End	17516
Name	OJ990615_05.9C14.C32.o1.tm	Method	TBLASTX:Maize
Start	8491	End	8937
GI	none	Score	168
Exons	8491..8604, 8508..8618, 8508..8618, 8716..8937, 8726..8890, 8727..8891, 8734..8937		

Seq. No.	23621	Seq. ID	OJ990615_05.9C14.C32
Gene No.	49123	Strand	-
Start	12638	End	17516
Name	OJ990615_05.9C14.C32.o2.gs	Method	GENSCAN
Start	12638	End	17516
GI	none	Score	.51
Exons	12638..12760, 13012..13115, 13199..13396, 13752..13824, 14056..14370, 17415..17516		

Seq. No.	23621	Seq. ID	OJ990615_05.9C14.C32
Gene No.	49123	Strand	-
Start	12638	End	17516
Name	OJ990615_05.9C14.C32.o2.np	Method	AAT/NAP
Start	14055	End	15888
GI	6907106	Score	267
Exons	14055..14343, 15859..15888		

GI Descrip. (AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	23622	Seq. ID	OJ990615_05.9C14.C33
Gene No.	49124	Strand	+
Start	486	End	3234
Name	OJ990615_05.9C14.C33.o1.gs	Method	GENSCAN
Start	486	End	3234
GI	none	Score	.46
Exons	486..531, 1706..1857, 2229..2348, 2476..2622, 3133..3234		

Seq. No.	23622	Seq. ID	OJ990615_05.9C14.C33
Gene No.	49124	Strand	+
Start	486	End	3234
Name	OJ990615_05.9C14.C33.o1.gp	Method	AAT/GAP
Start	2059	End	2672
GI	none	Score	1221
Exons	2059..2672		

Seq. No.	23622	Seq. ID	OJ990615_05.9C14.C33
Gene No.	49125	Strand	-
Start	8446	End	8947
Name	OJ990615_05.9C14.C33.o2.gp	Method	AAT/GAP
Start	8446	End	8947
GI	none	Score	853
Exons	8446..8947		

Seq. No.	23622	Seq. ID	OJ990615_05.9C14.C33
Gene No.	49126	Strand	
Start	9100	End	9249
Name	OJ990615_05.9C14.C33.o1.tm	Method	TBLASTX:Maize
Start	9100	End	9249
GI	none	Score	230
Exons	9100..9249, 9100..9249		

Seq. No.	23623	Seq. ID	OJ990615_05.9C14.C34
Gene No.	49127	Strand	-
Start	1	End	1308
Name	OJ990615_05.9C14.C34.o1.np	Method	AAT/NAP
Start	1	End	932
GI	1065484	Score	124
Exons	1..36, 426..648, 834..932		
GI Descrip.	(U40415) similar to S. cerevisiae LAG1 (SP:P38703) [Caenorhabditis elegans]		

Seq. No.	23623	Seq. ID	OJ990615_05.9C14.C34
Gene No.	49127	Strand	-
Start	1	End	1308
Name	OJ990615_05.9C14.C34.o1.tm	Method	TBLASTX:Maize
Start	459	End	1274
GI	none	Score	243
Exons	459..647, 463..651, 465..650, 830..991, 833..991, 1072..1212, 1074..1274, 1077..1205, 1078..1212		

Seq. No.	23623	Seq. ID	OJ990615_05.9C14.C34
Gene No.	49127	Strand	-
Start	1	End	1308

Name	OJ990615_05.9C14.C34.o1.gs	Method	GENSCAN
Start	463	End	1298
GI	none	Score	.57
Exons	463..648, 834..989, 1075..1298		
Seq. No.	23623	Seq. ID	OJ990615_05.9C14.C34
Gene No.	49127	Strand	-
Start	1	End	1308
Name	OJ990615_05.9C14.C34.o1.ts	Method	TBLASTX:Soybean
Start	483	End	1274
GI	none	Score	110
Exons	483..650, 538..651, 822..992, 833..985, 1066..1212, 1072..1212, 1073..1237, 1074..1274		
Seq. No.	23623	Seq. ID	OJ990615_05.9C14.C34
Gene No.	49127	Strand	-
Start	1	End	1308
Name	OJ990615_05.9C14.C34.o1.gp	Method	AAT/GAP
Start	944	End	1308
GI	none	Score	.458
Exons	944..989, 1074..1308		
Seq. No.	23623	Seq. ID	OJ990615_05.9C14.C34
Gene No.	49127	Strand	-
Start	1	End	1308
Name	OJ990615_05.9C14.C34.o1.tc	Method	TBLASTX:Cress
Start	1090	End	1244
GI	none	Score	160
Exons	1090..1212, 1090..1212, 1092..1244		
Seq. No.	23624	Seq. ID	OJ990615_05.9C14.C35
Gene No.	49128	Strand	-
Start	353	End	3637
Name	OJ990615_05.9C14.C35.o1.gs	Method	GENSCAN
Start	353	End	3637
GI	none	Score	.53
Exons	353..445, 555..631, 942..1017, 1248..1465, 3631..3637		
Seq. No.	23624	Seq. ID	OJ990615_05.9C14.C35
Gene No.	49128	Strand	-
Start	353	End	3637
Name	OJ990615_05.9C14.C35.o1.gp	Method	AAT/GAP
Start	1248	End	1493
GI	none	Score	429
Exons	1248..1493		
Seq. No.	23625	Seq. ID	OJ990615_05.9C14.C42
Gene No.	49129	Strand	-
Start	432	End	639
Name	OJ990615_05.9C14.C42.o1.gs	Method	GENSCAN
Start	432	End	639
GI	none	Score	.72
Exons	432..639		
Seq. No.	23626	Seq. ID	OJ990415_07.9C03.C2
Gene No.	49130	Strand	+
Start	3	End	537

Name	OJ990415_07.9C03.C2.o1.np	Method	AAT/NAP
Start	3	End	537
GI	6721508	Score	64
Exons	3..192, 478..537		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	23627	Seq. ID	OJ990415_07.9C03.C3
Gene No.	49131	Strand	+
Start	1	End	1200
Name	OJ990415_07.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	1200
GI	6691125	Score	268
Exons	1..27, 620..885, 1099..1200		
GI Descrip.	(AF213696) FH protein NFH2 [Nicotiana tabacum]		

Seq. No.	23627	Seq. ID	OJ990415_07.9C03.C3
Gene No.	49131	Strand	+
Start	1	End	1200
Name	OJ990415_07.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	637	End	878
GI	none	Score	219
Exons	637..861, 639..878, 640..873		

Seq. No.	23627	Seq. ID	OJ990415_07.9C03.C3
Gene No.	49131	Strand	+
Start	1	End	1200
Name	OJ990415_07.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	637	End	884
GI	none	Score	221
Exons	637..846, 639..884, 640..882		

Seq. No.	23627	Seq. ID	OJ990415_07.9C03.C3
Gene No.	49131	Strand	+
Start	1	End	1200
Name	OJ990415_07.9C03.C3.o1.gs	Method	GENSCAN
Start	641	End	885
GI	none	Score	.85
Exons	641..885		

Seq. No.	23627	Seq. ID	OJ990415_07.9C03.C3
Gene No.	49131	Strand	+
Start	1	End	1200
Name	OJ990415_07.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	748	End	1200
GI	none	Score	200
Exons	748..885, 751..885, 1080..1199, 1093..1200, 1097..1171, 1101..1196		

Seq. No.	23628	Seq. ID	OJ990415_07.9C03.C5
Gene No.	49132	Strand	+
Start	1	End	2011
Name	OJ990415_07.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	2011
GI	2462838	Score	634
Exons	1..204, 468..743, 1474..1670, 1840..2011		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	23628	Seq. ID	OJ990415_07.9C03.C5
Gene No.	49132	Strand	+
Start	1	End	2011
Name	OJ990415_07.9C03.C5.ol.gs	Method	GENSCAN
Start	134	End	1900
GI	none	Score	.98
Exons	134..204, 468..743, 1474..1670, 1759..1900		

Seq. No.	23628	Seq. ID	OJ990415_07.9C03.C5
Gene No.	49132	Strand	+
Start	1	End	2011
Name	OJ990415_07.9C03.C5.ol.ts	Method	TBLASTX:Soybean
Start	1506	End	1902
GI	none	Score	197
Exons	1506..1670, 1507..1674, 1613..1675, 1732..1902, 1754..1900, 1797..1901		

Seq. No.	23628	Seq. ID	OJ990415_07.9C03.C5
Gene No.	49132	Strand	+
Start	1	End	2011
Name	OJ990415_07.9C03.C5.ol.tm	Method	TBLASTX:Maize
Start	1650	End	1902
GI	none	Score	38
Exons	1650..1673, 1748..1900, 1755..1901, 1757..1900, 1759..1902		

Seq. No.	23629	Seq. ID	OJ990415_07.9C03.C6
Gene No.	49133	Strand	+
Start	1	End	1482
Name	OJ990415_07.9C03.C6.ol.np	Method	AAT/NAP
Start	1	End	1482
GI	2462838	Score	127
Exons	1..144, 462..510, 1300..1482		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	23629	Seq. ID	OJ990415_07.9C03.C6
Gene No.	49133	Strand	+
Start	1	End	1482
Name	OJ990415_07.9C03.C6.ol.gs	Method	GENSCAN
Start	72	End	804
GI	none	Score	.76
Exons	72..144, 462..510, 792..804		

Seq. No.	23630	Seq. ID	OJ990415_07.9C03.C8
Gene No.	49134	Strand	+
Start	1	End	114
Name	OJ990415_07.9C03.C8.ol.np	Method	AAT/NAP
Start	1	End	114
GI	5042454	Score	87
Exons	1..114		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23630	Seq. ID	OJ990415_07.9C03.C8
Gene No.	49135	Strand	+
Start	61	End	231
Name	OJ990415_07.9C03.C8.ol.gs	Method	GENSCAN
Start	61	End	231
GI	none	Score	.62

Exons 61..231

Seq. No.	23631	Seq. ID	OJ990415_07.9C03.C9
Gene No.	49136	Strand	+
Start	638	End	1657
Name	OJ990415_07.9C03.C9.o1.gs	Method	GENSCAN
Start	638	End	1657
GI	none	Score	1
Exons	638..1657		

Seq. No.	23631	Seq. ID	OJ990415_07.9C03.C9
Gene No.	49136	Strand	+
Start	638	End	1657
Name	OJ990415_07.9C03.C9.o1.np	Method	AAT/NAP
Start	644	End	1645
GI	3337095	Score	637
Exons	644..1645		
GI Descrip.	(AB016206) polygalacturonase inhibitor (PGIP) [Citrus iyo]		

Seq. No.	23631	Seq. ID	OJ990415_07.9C03.C9
Gene No.	49136	Strand	+
Start	638	End	1657
Name	OJ990415_07.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	725	End	1648
GI	none	Score	76
Exons	725..835, 920..1069, 971..1063, 1022..1216, 1076..1222, 1085..1372, 1087..1371, 1244..1342, 1313..1414, 1394..1501, 1523..1648, 1555..1635		

Seq. No.	23631	Seq. ID	OJ990415_07.9C03.C9
Gene No.	49136	Strand	+
Start	638	End	1657
Name	OJ990415_07.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	725	End	1648
GI	none	Score	43
Exons	725..808, 803..835, 916..1059, 917..1060, 971..1063, 1015..1146, 1043..1231, 1079..1228, 1079..1216, 1082..1207, 1085..1210, 1088..1207, 1097..1150, 1097..1150, 1099..1218, 1136..1207, 1157..1210, 1228..1368, 1229..1372, 1240..1284, 1241..1282, 1244..1342, 1250..1291, 1258..1341, 1313..1342, 1315..1359, 1385..1552, 1394..1648, 1448..1618		

Seq. No.	23631	Seq. ID	OJ990415_07.9C03.C9
Gene No.	49136	Strand	+
Start	638	End	1657
Name	OJ990415_07.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	785	End	1648
GI	none	Score	62
Exons	785..829, 917..1069, 958..1065, 971..1063, 971..1072, 971..1021, 976..1149, 1076..1372, 1078..1206, 1082..1210, 1151..1207, 1244..1312, 1252..1362, 1301..1414, 1391..1534, 1394..1648, 1448..1567, 1463..1528, 1555..1635		

Seq. No.	23632	Seq. ID	OJ990415_07.9C03.C10
Gene No.	49137	Strand	+
Start	235	End	366
Name	OJ990415_07.9C03.C10.o1.gs	Method	GENSCAN

Start	235	End	366
GI	none	Score	.98
Exons	235..366		

Seq. No.	23633	Seq. ID	OJ990415_07.9C03.C11
Gene No.	49138	Strand	-
Start	1	End	507
Name	OJ990415_07.9C03.C11.o1.np	Method	AAT/NAP
Start	1	End	507
GI	6069646	Score	360
Exons	1..507		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23633	Seq. ID	OJ990415_07.9C03.C11
Gene No.	49138	Strand	-
Start	1	End	507
Name	OJ990415_07.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	80	End	496
GI	none	Score	217
Exons	80..496, 81..494		

Seq. No.	23633	Seq. ID	OJ990415_07.9C03.C11
Gene No.	49138	Strand	-
Start	1	End	507
Name	OJ990415_07.9C03.C11.o1.gs	Method	GENSCAN
Start	82	End	474
GI	none	Score	.52
Exons	82..474		

Seq. No.	23634	Seq. ID	OJ990415_07.9C03.C12
Gene No.	49139	Strand	+
Start	1008	End	1100
Name	OJ990415_07.9C03.C12.o1.gs	Method	GENSCAN
Start	1008	End	1100
GI	none	Score	.53
Exons	1008..1100		

Seq. No.	23635	Seq. ID	OJ990415_07.9C03.C14
Gene No.	49140	Strand	+
Start	1	End	547
Name	OJ990415_07.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	381
GI	3192102	Score	197
Exons	1..49, 131..381		
GI Descrip.	(AB013397) polygalacturonase inhibitor [Citrus jambhiri]		

Seq. No.	23635	Seq. ID	OJ990415_07.9C03.C14
Gene No.	49140	Strand	+
Start	1	End	547
Name	OJ990415_07.9C03.C14.o1.ts	Method	TBLASTX:Soybean
Start	37	End	375
GI	none	Score	66
Exons	37..123, 52..174, 61..111, 124..315, 192..314, 196..255,		

199..327, 322..375

Seq. No.	23635	Seq. ID	OJ990415_07.9C03.C14
Gene No.	49140	Strand	+
Start	1	End	547
Name	OJ990415_07.9C03.C14.o1.gs	Method	GENSCAN
Start	46	End	393
GI	none	Score	.83
Exons	46..393		

Seq. No.	23635	Seq. ID	OJ990415_07.9C03.C14
Gene No.	49140	Strand	+
Start	1	End	547
Name	OJ990415_07.9C03.C14.o1.tc	Method	TBLASTX:Cress
Start	58	End	381
GI	none	Score	64
Exons	58..138, 61..153, 127..243, 265..315, 321..380, 322..381		

Seq. No.	23635	Seq. ID	OJ990415_07.9C03.C14
Gene No.	49140	Strand	+
Start	1	End	547
Name	OJ990415_07.9C03.C14.o1.gp	Method	AAT/GAP
Start	291	End	547
GI	4969189	Score	430
Exons	291..547		

Seq. No.	23636	Seq. ID	OJ990415_07.9C03.C15
Gene No.	49141	Strand	+
Start	962	End	1225
Name	OJ990415_07.9C03.C15.o1.gs	Method	GENSCAN
Start	962	End	1171
GI	none	Score	.93
Exons	962..1171		

Seq. No.	23636	Seq. ID	OJ990415_07.9C03.C15
Gene No.	49141	Strand	+
Start	962	End	1225
Name	OJ990415_07.9C03.C15.o1.np	Method	AAT/NAP
Start	962	End	1225
GI	6523097	Score	218
Exons	962..1225		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		

Seq. No.	23636	Seq. ID	OJ990415_07.9C03.C15
Gene No.	49142	Strand	-
Start	594	End	1546
Name	OJ990415_07.9C03.C15.o1.gp	Method	AAT/GAP
Start	594	End	1546
GI	2496_1.R1084	Score	1871
Exons	594..1546		
GI Descrip.	'6091733/gb AAF03445.1 AC010797_21 3.0e-17 (AC010797) unknown protein [Arabidopsis thaliana]'		

Seq. No.	23636	Seq. ID	OJ990415_07.9C03.C15
Gene No.	49142	Strand	-
Start	594	End	1546
Name	OJ990415_07.9C03.C15.o1.tc	Method	TBLASTX:Cress

Start 947
 GI none
 Exons 947..1147, 961..1146

End 1147
 Score 205

Seq. No. 23636
 Gene No. 49142
 Start 594
 Name OJ990415_07.9C03.C15.o1.tm
 Start 947
 GI none
 Exons 947..1132, 961..1146

Seq. ID OJ990415_07.9C03.C15
 Strand -
 End 1546
 Method TBLASTX:Maize
 End 1146
 Score 262

Seq. No. 23636
 Gene No. 49142
 Start 594
 Name OJ990415_07.9C03.C15.o1.ts
 Start 961
 GI none
 Exons 961..1179, 962..1165

Seq. ID OJ990415_07.9C03.C15
 Strand -
 End 1546
 Method TBLASTX:Soybean
 End 1179
 Score 269

Seq. No. 23636
 Gene No. 49142
 Start 594
 Name OJ990415_07.9C03.C15.o1.tw
 Start 961
 GI none
 Exons 961..1158, 962..1159

Seq. ID OJ990415_07.9C03.C15
 Strand -
 End 1546
 Method TBLASTX:Wheat
 End 1159
 Score 242

Seq. No. 23637
 Gene No. 49143
 Start 1
 Name OJ990415_07.9C03.C16.o1.np
 Start 1
 GI 5281045
 Exons 1..414
 GI Descrip. (AL080318) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990415_07.9C03.C16
 Strand -
 End 414
 Method AAT/NAP
 End 414
 Score 241

Seq. No. 23637
 Gene No. 49143
 Start 1
 Name OJ990415_07.9C03.C16.o1.tm
 Start 3
 GI none
 Exons 3..254, 5..259, 7..309, 10..258, 201..338, 309..386, 316..411

Seq. ID OJ990415_07.9C03.C16
 Strand -
 End 414
 Method TBLASTX:Maize
 End 411
 Score 204

Seq. No. 23637
 Gene No. 49143
 Start 1
 Name OJ990415_07.9C03.C16.o1.gs
 Start 70
 GI none
 Exons 70..257

Seq. ID OJ990415_07.9C03.C16
 Strand -
 End 414
 Method GENSCAN
 End 257
 Score .89

Seq. No. 23637
 Gene No. 49143
 Start 1
 Name OJ990415_07.9C03.C16.o1.gp

Seq. ID OJ990415_07.9C03.C16
 Strand -
 End 414
 Method AAT/GAP

Start	97	End	414
GI	none	Score	625
Exons	97..414		
Seq. No.	23638	Seq. ID	OJ990415_07.9C03.C18
Gene No.	49144	Strand	+
Start	442	End	2059
Name	OJ990415_07.9C03.C18.o1.gs	Method	GENSCAN
Start	442	End	2050
GI	none	Score	.81
Exons	442..503, 659..701, 1104..1275, 1312..2050		
Seq. No.	23638	Seq. ID	OJ990415_07.9C03.C18
Gene No.	49144	Strand	+
Start	442	End	2059
Name	OJ990415_07.9C03.C18.o1.np	Method	AAT/NAP
Start	556	End	2059
GI	5042454	Score	939
Exons	556..705, 1205..1311, 1365..2059		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	23639	Seq. ID	OJ990415_07.9C03.C19
Gene No.	49145	Strand	+
Start	1	End	883
Name	OJ990415_07.9C03.C19.o1.np	Method	AAT/NAP
Start	1	End	883
GI	6498441	Score	1177
Exons	1..726, 824..883		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	23639	Seq. ID	OJ990415_07.9C03.C19
Gene No.	49145	Strand	+
Start	1	End	883
Name	OJ990415_07.9C03.C19.o2.tw	Method	TBLASTX:Wheat
Start	1	End	213
GI	none	Score	188
Exons	1..213, 1..204		
Seq. No.	23639	Seq. ID	OJ990415_07.9C03.C19
Gene No.	49145	Strand	+
Start	1	End	883
Name	OJ990415_07.9C03.C19.o1.gs	Method	GENSCAN
Start	116	End	706
GI	none	Score	.63
Exons	116..706		
Seq. No.	23639	Seq. ID	OJ990415_07.9C03.C19
Gene No.	49145	Strand	+
Start	1	End	883
Name	OJ990415_07.9C03.C19.o1.tw	Method	TBLASTX:Wheat
Start	463	End	759
GI	none	Score	285
Exons	463..759, 522..755		
Seq. No.	23640	Seq. ID	OJ990415_07.9C03.C20

Gene No.	49146	Strand	+
Start	1	End	185
Name	OJ990415_07.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	185
GI	6498441	Score	205
Exons	1..185		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	23640	Seq. ID	OJ990415_07.9C03.C20
Gene No.	49146	Strand	+
Start	1	End	185
Name	OJ990415_07.9C03.C20.o1.tw	Method	TBLASTX:Wheat
Start	8	End	185
GI	none	Score	199
Exons	8..184, 9..185		

Seq. No.	23641	Seq. ID	OJ990415_07.9C03.C21
Gene No.	49147	Strand	-
Start	28	End	686
Name	OJ990415_07.9C03.C21.o1.gs	Method	GENSCAN
Start	28	End	622
GI	none	Score	.9
Exons	28..60, 171..245, 542..622		

Seq. No.	23641	Seq. ID	OJ990415_07.9C03.C21
Gene No.	49147	Strand	-
Start	28	End	686
Name	OJ990415_07.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	348	End	686
GI	none	Score	64
Exons	348..428, 349..438, 349..438, 536..658, 540..644, 540..686, 554..655		

Seq. No.	23642	Seq. ID	OJ990415_07.9C03.C22
Gene No.	49148	Strand	-
Start	137	End	354
Name	OJ990415_07.9C03.C22.o1.gs	Method	GENSCAN
Start	137	End	354
GI	none	Score	.82
Exons	137..169, 280..354		

Seq. No.	23643	Seq. ID	OJ990415_07.9C03.C23
Gene No.	49149	Strand	-
Start	445	End	481
Name	OJ990415_07.9C03.C23.o1.gs	Method	GENSCAN
Start	445	End	481
GI	none	Score	1
Exons	445..481		

Seq. No.	23644	Seq. ID	OJ990415_07.9C03.C24
Gene No.	49150	Strand	-
Start	153	End	375
Name	OJ990415_07.9C03.C24.o1.gs	Method	GENSCAN
Start	153	End	375
GI	none	Score	.77

Exons 153..375

Seq. No.	23644	Seq. ID	OJ990415_07.9C03.C24
Gene No.	49150	Strand	-
Start	153	End	375
Name	OJ990415_07.9C03.C24.o1.np	Method	AAT/NAP
Start	156	End	356
GI	2281092	Score	193
Exons	156..356		
GI Descrip.	(AC002333) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23644	Seq. ID	OJ990415_07.9C03.C24
Gene No.	49151	Strand	-
Start	544	End	624
Name	OJ990415_07.9C03.C24.o1.tm	Method	TBLASTX:Maize
Start	153	End	364
GI	none	Score	239
Exons	153..203, 159..347, 160..348, 167..364, 247..363		

Seq. No.	23644	Seq. ID	OJ990415_07.9C03.C24
Gene No.	49151	Strand	-
Start	544	End	624
Name	OJ990415_07.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	168	End	347
GI	none	Score	176
Exons	168..347, 178..342		

Seq. No.	23644	Seq. ID	OJ990415_07.9C03.C24
Gene No.	49151	Strand	-
Start	544	End	624
Name	OJ990415_07.9C03.C24.o1.tw	Method	TBLASTX:Wheat
Start	184	End	362
GI	none	Score	164
Exons	184..348, 189..362		

Seq. No.	23644	Seq. ID	OJ990415_07.9C03.C24
Gene No.	49151	Strand	-
Start	544	End	624
Name	OJ990415_07.9C03.C24.o1.gp	Method	AAT/GAP
Start	544	End	624
GI	38012_1.R1084	Score	103
Exons	544..624		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49152	Strand	+
Start	14588	End	14816
Name	OJ990415_07.9C03.C26.o6.gp	Method	AAT/GAP
Start	14588	End	14816
GI	none	Score	418
Exons	14588..14816		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49153	Strand	-
Start	1	End	12506
Name	OJ990415_07.9C03.C26.o1.np	Method	AAT/NAP

Start 1 End 2496
 GI 6539568 Score 399
 Exons 1..265, 2240..2496
 GI Descrip. (AP000836) ESTs AU081247(C50004),AU068940(C51113) correspond to a region of the predicted gene.; Similar to pyruvate kinase (Q42954) [Oryza sativa]

Seq. No. 23645 Seq. ID OJ990415_07.9C03.C26
 Gene No. 49153 Strand -
 Start 1 End 12506
 Name OJ990415_07.9C03.C26.o2.gs Method GENSCAN
 Start 2179 End 12506
 GI none Score .74
 Exons 2179..2615, 7874..7975, 8054..8158, 8252..8603, 9984..10079, 10406..10480, 11171..11349, 11480..11719, 11901..11996, 12172..12285, 12407..12506

Seq. No. 23645 Seq. ID OJ990415_07.9C03.C26
 Gene No. 49153 Strand -
 Start 1 End 12506
 Name OJ990415_07.9C03.C26.o1.gp Method AAT/GAP
 Start 2242 End 2619
 GI 44866_1.R1084 Score 719
 Exons 2242..2619
 GI Descrip. '5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 23645 Seq. ID OJ990415_07.9C03.C26
 Gene No. 49153 Strand -
 Start 1 End 12506
 Name OJ990415_07.9C03.C26.o2.gp Method AAT/GAP
 Start 3458 End 3540
 GI LIB3477-003-P1-K1-E9 Score 133
 Exons 3458..3540
 GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No. 23645 Seq. ID OJ990415_07.9C03.C26
 Gene No. 49153 Strand -
 Start 1 End 12506
 Name OJ990415_07.9C03.C26.o3.gp Method AAT/GAP
 Start 5692 End 8173
 GI 25552_1.R1084 Score 1811
 Exons 5692..6163, 6251..6302, 6389..6450, 6557..6644, 7006..7074, 7203..7260, 7874..7975, 8054..8173
 GI Descrip. '2104691 4.0e-19 (U92794) alpha glucosidase II, beta subunit [Mus musculus]'

Seq. No. 23645 Seq. ID OJ990415_07.9C03.C26
 Gene No. 49153 Strand -
 Start 1 End 12506
 Name OJ990415_07.9C03.C26.o2.np Method AAT/NAP
 Start 7845 End 12506
 GI 6539569 Score 2327
 Exons 7845..7975, 8054..8158, 8252..8603, 9984..10079, 10406..10480, 11171..11349, 11480..11719, 11901..11996, 12172..12285,

12407..12506
 GI Descrip. (AP000836) EST C19724(E10840) corresponds to a region of the
 predicted gene.; Similar to protein kinase C substrate (P14314)
 [Oryza sativa]

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49153	Strand	-
Start	1	End	12506
Name	OJ990415_07.9C03.C26.o4.gp	Method	AAT/GAP
Start	8444	End	11926
GI	53729_1.R1084	Score	1435
Exons	8444..8603, 9984..10079, 10406..10480, 11171..11349, 11480..11719, 11901..11926		

GI Descrip. '2104691 2.0e-10 (U92794) alpha glucosidase II, beta subunit
 [Mus musculus]'

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o1.tw	Method	TBLASTX:Wheat
Start	2240	End	2873
GI	none	Score	288
Exons	2240..2314, 2243..2467, 2249..2359, 2251..2481, 2795..2836, 2826..2873		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o1.tc	Method	TBLASTX:Cress
Start	2243	End	2476
GI	none	Score	220
Exons	2243..2476, 2251..2475		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o1.tm	Method	TBLASTX:Maize
Start	2243	End	2506
GI	none	Score	321
Exons	2243..2506, 2249..2446, 2251..2505		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o1.ts	Method	TBLASTX:Soybean
Start	2243	End	2466
GI	none	Score	293
Exons	2243..2452, 2249..2449, 2251..2466		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o2.tm	Method	TBLASTX:Maize
Start	6233	End	8507
GI	none	Score	77
Exons	6233..6301, 6249..6302, 6351..6452, 6380..6475, 6382..6456, 6548..6643, 6555..6644, 6555..6659, 6556..6645, 7005..7076,		

7006..7074, 7007..7075, 7193..7261, 7201..7260, 7860..7988,
7861..7983, 8055..8159, 8056..8160, 8060..8161, 8264..8299,
8264..8467, 8269..8304, 8361..8507, 8363..8407, 8373..8420

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o2.ts	Method	TBLASTX:Soybean
Start	6233	End	8147
GI	none	Score	62
Exons	6233..6301, 6249..6302, 6380..6451, 6382..6456, 6548..6640, 6555..6641, 6556..6645, 6556..6645, 6563..6652, 6943..7077, 7005..7079, 7193..7261, 7201..7251, 7860..7976, 7873..7977, 7874..7978, 8055..8147		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o3.tm	Method	TBLASTX:Maize
Start	10406	End	12503
GI	none	Score	64
Exons	10406..10468, 10407..10466, 11166..11261, 11173..11265, 11334..11351, 11479..11706, 11480..11719, 11484..11741, 11540..11719, 11565..11726, 11902..11997, 11912..11998, 12170..12286, 12223..12288, 12408..12503, 12409..12444		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o2.tw	Method	TBLASTX:Wheat
Start	11479	End	11708
GI	none	Score	196
Exons	11479..11706, 11480..11707, 11484..11708, 11484..11708		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o3.ts	Method	TBLASTX:Soybean
Start	11544	End	12220
GI	none	Score	91
Exons	11544..11720, 11562..11726, 11902..11958, 12176..12220		

Seq. No.	23645	Seq. ID	OJ990415_07.9C03.C26
Gene No.	49154	Strand	-
Start	13014	End	14816
Name	OJ990415_07.9C03.C26.o3.np	Method	AAT/NAP
Start	13014	End	14816
GI	6539570	Score	351
Exons	13014..13143, 14718..14816		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49155	Strand	+
Start	7578	End	9024
Name	OJ990415_07.9C03.C27.o2.gs	Method	GENSCAN
Start	7578	End	9024
GI	none	Score	.69

Exons 7578..7713, 7753..7874, 8932..9024

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49155	Strand	+
Start	7578	End	9024
Name	OJ990415_07.9C03.C27.o2.np	Method	AAT/NAP
Start	7578	End	9021
GI	6539571	Score	577

Exons 7578..7713, 7753..7874, 8932..9021
GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49156	Strand	+
Start	14853	End	14918
Name	OJ990415_07.9C03.C27.o3.gp	Method	AAT/GAP
Start	14853	End	14918
GI	77434_1.R1084	Score	86

Exons 14853..14918
GI Descrip. '2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49157	Strand	-
Start	1	End	3292
Name	OJ990415_07.9C03.C27.o1.gp	Method	AAT/GAP
Start	1	End	228
GI	LIB3433-051-P1-K1-G11	Score	418

Exons 1..228
GI Descrip. '5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49157	Strand	-
Start	1	End	3292
Name	OJ990415_07.9C03.C27.o1.np	Method	AAT/NAP
Start	1	End	3292
GI	6539570	Score	509

Exons 1..90, 641..707, 867..1027, 3253..3292
GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49158	Strand	-
Start	11316	End	21559
Name	OJ990415_07.9C03.C27.o2.gp	Method	AAT/GAP
Start	10246	End	10751
GI	4714679	Score	868

Exons 10246..10751
GI Descrip. 5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49158	Strand	-
Start	11316	End	21559
Name	OJ990415_07.9C03.C27.o2.tm	Method	TBLASTX:Maize
Start	10397	End	10687
GI	none	Score	109

Exons 10397..10468, 10494..10679, 10499..10687

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49158	Strand	-
Start	11316	End	21559
Name	OJ990415_07.9C03.C27.o3.gs	Method	GENSCAN
Start	11316	End	21388
GI	none	Score	.47
Exons	11316..11521, 13495..13623, 14089..14114, 15441..15704, 15938..16249, 16476..16799, 18722..18840, 20114..20199, 20824..20918, 20928..21388		

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49158	Strand	-
Start	11316	End	21559
Name	OJ990415_07.9C03.C27.o3.np	Method	AAT/NAP
Start	11319	End	21559
GI	6539572	Score	3350
Exons	11319..11521, 13495..13623, 14089..14114, 15441..15704, 15938..16249, 16476..16799, 18722..18840, 20114..20199, 20824..21389, 21527..21559		

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49158	Strand	-
Start	11316	End	21559
Name	OJ990415_07.9C03.C27.o1.tm	Method	TBLASTX:Maize
Start	20810	End	21071
GI	none	Score	66
Exons	20810..20869, 20810..20854, 20863..21042, 20870..21043, 21033..21068, 21033..21071		

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49158	Strand	-
Start	11316	End	21559
Name	OJ990415_07.9C03.C27.o1.ts	Method	TBLASTX:Soybean
Start	20887	End	21071
GI	none	Score	118
Exons	20887..21033, 20912..21034, 21036..21071		

Seq. No.	23646	Seq. ID	OJ990415_07.9C03.C27
Gene No.	49158	Strand	-
Start	11316	End	21559
Name	OJ990415_07.9C03.C27.o1.tc	Method	TBLASTX:Cress
Start	20890	End	21074
GI	none	Score	127
Exons	20890..21033, 20894..21034, 21036..21074		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49159	Strand	+
Start	2179	End	3543
Name	OJ990415_07.9C03.C28.o1.gs	Method	GENSCAN
Start	2179	End	3543
GI	none	Score	.91
Exons	2179..3543		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49159	Strand	+

Start	2179	End	3543
Name	OJ990415_07.9C03.C28.o1.np	Method	AAT/NAP
Start	2179	End	3540
GI	6539573	Score	2474
Exons	2179..3540		
GI Descrip.	(AP000836) Similar to H-protein promoter binding factor-2a (AF079503) [Oryza sativa]		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o3.tm	Method	TBLASTX:Maize
Start	2365	End	2601
GI	none	Score	348
Exons	2365..2601, 2379..2570		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o3.ts	Method	TBLASTX:Soybean
Start	2379	End	2568
GI	none	Score	312
Exons	2379..2567, 2380..2568		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o1.tc	Method	TBLASTX:Cress
Start	2383	End	3534
GI	none	Score	323
Exons	2383..2586, 2385..2579, 3052..3096, 3222..3293, 3223..3312, 3283..3408, 3333..3419, 3457..3534		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o6.tm	Method	TBLASTX:Maize
Start	3196	End	3543
GI	none	Score	182
Exons	3196..3441, 3249..3314, 3327..3446, 3466..3543, 3483..3539		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o5.tm	Method	TBLASTX:Maize
Start	4352	End	4741
GI	none	Score	71
Exons	4352..4399, 4392..4460, 4393..4467, 4394..4468, 4549..4737, 4550..4738, 4550..4741		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o2.gs	Method	GENSCAN
Start	4520	End	9990
GI	none	Score	.73
Exons	4520..4736, 5625..6083, 6311..6530, 6630..6753, 6849..7557,		

8748..9084, 9135..9990

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o2.np	Method	AAT/NAP
Start	4523	End	10077
GI	6539574	Score	4975
Exons	4523..4736, 5625..6083, 6311..6530, 6630..6753, 6849..7557, 8748..9084, 9135..10077		
GI Descrip.	(AP000836) Similar to chromaffin granule ATPase II homolog (U75321) [Oryza sativa]		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	5591	End	6092
GI	none	Score	116
Exons	5591..6082, 5624..5911, 5634..6092		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o5.ts	Method	TBLASTX:Soybean
Start	5819	End	6068
GI	none	Score	110
Exons	5819..6064, 5819..6067, 5820..6068		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o4.tm	Method	TBLASTX:Maize
Start	6298	End	6914
GI	none	Score	158
Exons	6298..6531, 6305..6532, 6628..6744, 6629..6754, 6843..6914		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o1.ts	Method	TBLASTX:Soybean
Start	6305	End	6911
GI	none	Score	248
Exons	6305..6532, 6308..6529, 6310..6531, 6614..6745, 6628..6747, 6846..6911		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o2.tm	Method	TBLASTX:Maize
Start	7053	End	7427
GI	none	Score	88
Exons	7053..7232, 7053..7427, 7063..7425		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077

Name	OJ990415_07.9C03.C28.o3.tc	Method	TBLASTX:Cress
Start	7054	End	7271
GI	none	Score	156
Exons	7054..7245, 7056..7250, 7083..7271		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o2.ts	Method	TBLASTX:Soybean
Start	7062	End	7430
GI	none	Score	79
Exons	7062..7430, 7065..7232, 7069..7428		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o2.tc	Method	TBLASTX:Cress
Start	7422	End	9022
GI	none	Score	72
Exons	7422..7562, 7438..7509, 7452..7562, 8748..8834, 8750..9022, 8750..9022		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o4.ts	Method	TBLASTX:Soybean
Start	7494	End	9031
GI	none	Score	62
Exons	7494..7559, 8747..8908, 8748..8828, 8894..9031, 8895..9005		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o7.tm	Method	TBLASTX:Maize
Start	8745	End	8947
GI	none	Score	89
Exons	8745..8834, 8747..8902, 8900..8947, 8904..8945		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o7.ts	Method	TBLASTX:Soybean
Start	9172	End	9459
GI	none	Score	54
Exons	9172..9459, 9176..9283, 9311..9430		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o8.ts	Method	TBLASTX:Soybean
Start	9553	End	9849
GI	none	Score	181
Exons	9553..9849		

Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077

Name	OJ990415_07.9C03.C28.o8.tm	Method	TBLASTX:Maize
Start	9586	End	9855
GI	none	Score	184
Exons	9586..9855		
Seq. No.	23647	Seq. ID	OJ990415_07.9C03.C28
Gene No.	49160	Strand	-
Start	4520	End	10077
Name	OJ990415_07.9C03.C28.o6.ts	Method	TBLASTX:Soybean
Start	9886	End	10077
GI	none	Score	142
Exons	9886..10077, 9887..10069		
Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49161	Strand	+
Start	5357	End	14203
Name	OJ990415_07.9C03.C29.o2.np	Method	AAT/NAP
Start	5357	End	14200
GI	6721504	Score	2231
Exons	5357..5404, 5524..5767, 7190..7517, 8578..8770, 9898..10301, 10672..10720, 13918..13948, 14076..14200		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49161	Strand	+
Start	5357	End	14203
Name	OJ990415_07.9C03.C29.o3.gs	Method	GENSCAN
Start	5357	End	14203
GI	none	Score	.79
Exons	5357..5404, 5524..5763, 6560..6581, 7190..7517, 8578..8770, 9898..10301, 10672..10720, 13918..13948, 14076..14203		
Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49161	Strand	+
Start	5357	End	14203
Name	OJ990415_07.9C03.C29.o1.gp	Method	AAT/GAP
Start	5488	End	7353
GI	uC-osflcyp179h01b1	Score	816
Exons	5488..5767, 7190..7353		
GI Descrip.	'2827715/emb CAA16688 2.0e-26 (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]'		
Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49162	Strand	-
Start	1565	End	4634
Name	OJ990415_07.9C03.C29.o2.gs	Method	GENSCAN
Start	1565	End	4634
GI	none	Score	.64
Exons	1565..1762, 3335..3431, 3707..3875, 4152..4237, 4606..4634		
Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49162	Strand	-
Start	1565	End	4634
Name	OJ990415_07.9C03.C29.o1.np	Method	AAT/NAP
Start	1568	End	4634
GI	6539575	Score	860
Exons	1568..1762, 3335..3431, 3707..3875, 4152..4237, 4606..4634		

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]
gi|6721503|dbj|BAA89545.1| (AP001072) hypothetical protein
[Oryza sativa]

Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49163	Strand	-
Start	8645	End	9145
Name	OJ990415_07.9C03.C29.o2.gp	Method	AAT/GAP
Start	8645	End	9145
GI	none	Score	930
Exons	8645..9145		

Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49164	Strand	-
Start	15410	End	16044
Name	OJ990415_07.9C03.C29.o4.gs	Method	GENSCAN
Start	15410	End	16044
GI	none	Score	.43
Exons	15410..15528, 16038..16044		

Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49165	Strand	-
Start	19537	End	19794
Name	OJ990415_07.9C03.C29.o1.tm	Method	TBLASTX:Maize
Start	5622	End	8773
GI	none	Score	239
Exons	5622..5768, 5626..5775, 7185..7514, 7189..7515, 7191..7517, 7192..7536, 8530..8631, 8552..8638, 8574..8636, 8627..8740, 8632..8757, 8637..8756, 8738..8773		

Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49165	Strand	-
Start	19537	End	19794
Name	OJ990415_07.9C03.C29.o1.tc	Method	TBLASTX:Cress
Start	5629	End	7350
GI	none	Score	206
Exons	5629..5784, 5631..5768, 7185..7340, 7191..7349, 7192..7350		

Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49165	Strand	-
Start	19537	End	19794
Name	OJ990415_07.9C03.C29.o1.ts	Method	TBLASTX:Soybean
Start	5631	End	7517
GI	none	Score	194
Exons	5631..5768, 5632..5769, 7185..7502, 7191..7517, 7192..7515		

Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49165	Strand	-
Start	19537	End	19794
Name	OJ990415_07.9C03.C29.o5.gs	Method	GENSCAN
Start	19537	End	19794
GI	none	Score	.74
Exons	19537..19794		

Seq. No.	23648	Seq. ID	OJ990415_07.9C03.C29
Gene No.	49165	Strand	-
Start	19537	End	19794

Name	OJ990415_07.9C03.C29.o3.np	Method	AAT/NAP
Start	19540	End	19794
GI	6721505	Score	432
Exons	19540..19794		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23649	Seq. ID	OJ990415_07.9C03.C30
Gene No.	49166	Strand	-
Start	1	End	291
Name	OJ990415_07.9C03.C30.o1.np	Method	AAT/NAP
Start	1	End	291
GI	6721505	Score	408
Exons	1..291		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23649	Seq. ID	OJ990415_07.9C03.C30
Gene No.	49166	Strand	-
Start	1	End	291
Name	OJ990415_07.9C03.C30.o1.gs	Method	GENSCAN
Start	64	End	291
GI	none	Score	.72
Exons	64..291		
Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49167	Strand	+
Start	803	End	6925
Name	OJ990415_07.9C03.C31.o1.gs	Method	GENSCAN
Start	803	End	6925
GI	none	Score	.67
Exons	803..989, 1799..1988, 2483..2732, 5975..6122, 6789..6925		
Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49168	Strand	+
Start	8290	End	10397
Name	OJ990415_07.9C03.C31.o2.np	Method	AAT/NAP
Start	8290	End	10397
GI	6721507	Score	603
Exons	8290..8383, 9628..9778, 10036..10110, 10319..10397		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49169	Strand	+
Start	10913	End	16724
Name	OJ990415_07.9C03.C31.o3.np	Method	AAT/NAP
Start	10913	End	16724
GI	6721508	Score	1143
Exons	10913..11107, 11705..11848, 12553..12739, 16516..16724		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49170	Strand	+
Start	22259	End	24104
Name	OJ990415_07.9C03.C31.o4.gs	Method	GENSCAN
Start	22259	End	24104
GI	none	Score	.73
Exons	22259..22334, 23582..23725, 24007..24104		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49171	Strand	-
Start	1	End	6045
Name	OJ990415_07.9C03.C31.o1.np	Method	AAT/NAP
Start	1	End	6045
GI	6721506	Score	639
Exons	1..53, 799..971, 3617..3751, 5989..6045		
GI Descrip.	(AP001072) EST AU069682(C1560) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49172	Strand	-
Start	7813	End	12894
Name	OJ990415_07.9C03.C31.o2.gs	Method	GENSCAN
Start	7813	End	12894
GI	none	Score	.66
Exons	7813..7993, 8434..8467, 9310..9467, 10094..10183, 10457..10586, 11766..11840, 12546..12658, 12887..12894		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49173	Strand	-
Start	17894	End	19001
Name	OJ990415_07.9C03.C31.o3.gs	Method	GENSCAN
Start	17894	End	19001
GI	none	Score	.95
Exons	17894..18095, 18925..19001		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49173	Strand	-
Start	17894	End	19001
Name	OJ990415_07.9C03.C31.o4.np	Method	AAT/NAP
Start	17897	End	19001
GI	6721509	Score	442
Exons	17897..18095, 18925..19001		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49174	Strand	-
Start	23537	End	35674
Name	OJ990415_07.9C03.C31.o1.gp	Method	AAT/GAP
Start	23537	End	25720
GI	24354_1.R1084	Score	882
Exons	23537..23604, 23688..24071, 25489..25527, 25675..25720		
GI Descrip.	'3882211/dbj BAA34465.1 9.0e-11 (AB018288) KIAA0745 protein [Homo sapiens]'		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49174	Strand	-
Start	23537	End	35674
Name	OJ990415_07.9C03.C31.o5.np	Method	AAT/NAP
Start	23925	End	35674
GI	6721510	Score	2744
Exons	23925..24071, 25489..25527, 25675..25773, 25850..25978, 26544..26690, 27584..27714, 28568..28787, 28929..29016, 29092..29204, 29298..29327, 29870..29974, 30079..30183, 30833..30920, 31004..31161, 35128..35223, 35321..35430, 35530..35674		

GI Descrip. (AP001072) EST AU082118(E20525) corresponds to a region of the predicted gene.; Similar to KIAA0745 protein. (AB018288) [Oryza sativa]

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49174	Strand	-
Start	23537	End	35674
Name	OJ990415_07.9C03.C31.o1.tm	Method	TBLASTX:Maize
Start	23934	End	29659
GI	none	Score	90
Exons	23934..24029, 23935..24075, 23937..24074, 23938..24087, 25481..25534, 25489..25530, 25657..25776, 25669..25785, 25679..25786, 25847..25981, 25851..25922, 25852..25980, 26527..26691, 26544..26705, 26550..26693, 27567..27716, 27581..27739, 27584..27733, 28548..28790, 28549..28788, 28571..28801, 28891..29025, 28920..29027, 28921..29025, 29083..29205, 29087..29212, 29088..29231, 29094..29204, 29358..29492, 29363..29497, 29364..29498, 29583..29657, 29585..29656, 29586..29657, 29591..29659, 29593..29658		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49174	Strand	-
Start	23537	End	35674
Name	OJ990415_07.9C03.C31.o1.ts	Method	TBLASTX:Soybean
Start	23935	End	26681
GI	none	Score	122
Exons	23935..24087, 23937..24074, 25657..25776, 25669..25770, 25847..25981, 25854..25922, 25936..25989, 26544..26681, 26545..26664		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49174	Strand	-
Start	23537	End	35674
Name	OJ990415_07.9C03.C31.o5.gs	Method	GENSCAN
Start	24537	End	35644
GI	none	Score	.68
Exons	24537..25080, 25219..25223, 25675..25773, 25850..25978, 26323..26358, 26544..26690, 27584..27714, 28568..28787, 28929..29016, 29092..29204, 29298..29327, 29870..29974, 30079..30183, 30833..30920, 31004..31161, 31201..31260, 32384..32479, 32823..32909, 34066..34133, 34500..34623, 35128..35223, 35321..35430, 35530..35644		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49174	Strand	-
Start	23537	End	35674
Name	OJ990415_07.9C03.C31.o2.gp	Method	AAT/GAP
Start	25861	End	28674
GI	uC-osflm202035c11b1	Score	942
Exons	25861..25978, 26544..26690, 27584..27714, 28568..28674		
GI Descrip.	'3882211/dbj BAA34465.1 8.0e-28 (AB018288) KIAA0745 protein [Homo sapiens]'		

Seq. No.	23650	Seq. ID	OJ990415_07.9C03.C31
Gene No.	49174	Strand	-
Start	23537	End	35674
Name	OJ990415_07.9C03.C31.o2.tm	Method	TBLASTX:Maize

Start 30076 End 31110
 GI none Score 153
 Exons 30076..30186, 30080..30187, 30821..30910, 30833..30922,
 30834..30917, 30995..31105, 31009..31110, 31018..31107

Seq. No. 23650 Seq. ID OJ990415_07.9C03.C31
 Gene No. 49174 Strand -
 Start 23537 End 35674
 Name OJ990415_07.9C03.C31.o1.tw Method TBLASTX:Wheat
 Start 32384 End 32732
 GI none Score 57
 Exons 32384..32455, 32384..32455, 32559..32732, 32576..32731,
 32577..32732

Seq. No. 23651 Seq. ID OJ990415_07.9C03.C32
 Gene No. 49175 Strand +
 Start 2409 End 3188
 Name OJ990415_07.9C03.C32.o2.np Method AAT/NAP
 Start 2409 End 3188
 GI 6721511 Score 1038
 Exons 2409..2474, 2661..3188
 GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 23651 Seq. ID OJ990415_07.9C03.C32
 Gene No. 49176 Strand +
 Start 9408 End 9756
 Name OJ990415_07.9C03.C32.o1.gp Method AAT/GAP
 Start 9408 End 9756
 GI none Score 595
 Exons 9408..9756

Seq. No. 23651 Seq. ID OJ990415_07.9C03.C32
 Gene No. 49177 Strand +
 Start 10414 End 13352
 Name OJ990415_07.9C03.C32.o4.np Method AAT/NAP
 Start 10414 End 13352
 GI 6721513 Score 860
 Exons 10414..10554, 10630..10748, 11606..11738, 12209..12258,
 13221..13352
 GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 23651 Seq. ID OJ990415_07.9C03.C32
 Gene No. 49178 Strand +
 Start 13651 End 13835
 Name OJ990415_07.9C03.C32.o2.gp Method AAT/GAP
 Start 13651 End 13835
 GI 286958 Score 370
 Exons 13651..13835

Seq. No. 23651 Seq. ID OJ990415_07.9C03.C32
 Gene No. 49179 Strand -
 Start 1 End 1818
 Name OJ990415_07.9C03.C32.o1.np Method AAT/NAP
 Start 1 End 1818
 GI 6721510 Score 721
 Exons 1..24, 519..584, 902..1062, 1569..1818
 GI Descrip. (AP001072) EST AU082118(E20525) corresponds to a region of the

predicted gene.; Similar to KIAA0745 protein. (AB018288) [Oryza sativa]

Seq. No.	23651	Seq. ID	OJ990415_07.9C03.C32
Gene No.	49180	Strand	-
Start	4828	End	12804
Name	OJ990415_07.9C03.C32.o1.tm	Method	TBLASTX:Maize
Start	938	End	1917
GI	none	Score	154
Exons	938..1066, 938..1060, 960..1073, 1564..1917, 1568..1867		

Seq. No.	23651	Seq. ID	OJ990415_07.9C03.C32
Gene No.	49180	Strand	-
Start	4828	End	12804
Name	OJ990415_07.9C03.C32.o1.ts	Method	TBLASTX:Soybean
Start	944	End	1800
GI	none	Score	219
Exons	944..973, 989..1057, 1565..1798, 1570..1800		

Seq. No.	23651	Seq. ID	OJ990415_07.9C03.C32
Gene No.	49180	Strand	-
Start	4828	End	12804
Name	OJ990415_07.9C03.C32.o2.gs	Method	GENSCAN
Start	4828	End	12804
GI	none	Score	.47
Exons	4828..5129, 5276..5380, 6560..6599, 6712..6748, 6791..6925, 6953..7145, 7340..7443, 7857..8014, 9430..9565, 9574..9661, 10983..11255, 12768..12804		

Seq. No.	23651	Seq. ID	OJ990415_07.9C03.C32
Gene No.	49180	Strand	-
Start	4828	End	12804
Name	OJ990415_07.9C03.C32.o3.np	Method	AAT/NAP
Start	4831	End	9698
GI	6721512	Score	2047
Exons	4831..5129, 5276..5380, 6560..6599, 6712..6748, 6791..6925, 6953..7145, 7340..7443, 7857..8014, 9430..9698		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	23652	Seq. ID	OJ990415_07.9C03.C33
Gene No.	49181	Strand	+
Start	1	End	391
Name	OJ990415_07.9C03.C33.o1.gp	Method	AAT/GAP
Start	1	End	391
GI	11343_1.R1084	Score	758
Exons	1..391		
GI Descrip.	'2224663/dbj BAA20816 5.0e-74 (AB002359) KIAA0361 [Homo sapiens]'		

Seq. No.	23652	Seq. ID	OJ990415_07.9C03.C33
Gene No.	49181	Strand	+
Start	1	End	391
Name	OJ990415_07.9C03.C33.o1.tm	Method	TBLASTX:Maize
Start	1	End	213
GI	none	Score	301
Exons	1..213, 1..210, 159..212		

Seq. No.	23652	Seq. ID	OJ990415_07.9C03.C33
Gene No.	49181	Strand	+
Start	1	End	391
Name	OJ990415_07.9C03.C33.o1.np	Method	AAT/NAP
Start	1	End	391
GI	6939228	Score	490
Exons	1..391		
GI Descrip.	(AC020579) putative phosphoribosylformylglycinamide synthase [Arabidopsis thaliana]		

Seq. No.	23652	Seq. ID	OJ990415_07.9C03.C33
Gene No.	49181	Strand	+
Start	1	End	391
Name	OJ990415_07.9C03.C33.o1.ts	Method	TBLASTX:Soybean
Start	1	End	390
GI	none	Score	487
Exons	1..390, 1..375, 6..380		

Seq. No.	23652	Seq. ID	OJ990415_07.9C03.C33
Gene No.	49181	Strand	+
Start	1	End	391
Name	OJ990415_07.9C03.C33.o1.gs	Method	GENSCAN
Start	13	End	302
GI	none	Score	.94
Exons	13..302		

Seq. No.	23653	Seq. ID	OJ990415_07.9C03.C34
Gene No.	49182	Strand	+
Start	76	End	304
Name	OJ990415_07.9C03.C34.o1.gs	Method	GENSCAN
Start	76	End	304
GI	none	Score	.76
Exons	76..304		

Seq. No.	23653	Seq. ID	OJ990415_07.9C03.C34
Gene No.	49183	Strand	-
Start	1	End	318
Name	OJ990415_07.9C03.C34.o1.np	Method	AAT/NAP
Start	1	End	318
GI	6539586	Score	304
Exons	1..318		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	23654	Seq. ID	OJ990415_07.9C03.C37
Gene No.	49184	Strand	+
Start	386	End	644
Name	OJ990415_07.9C03.C37.o1.gp	Method	AAT/GAP
Start	386	End	644
GI	4714679	Score	442
Exons	386..644		
GI Descrip.	5852170/emb AL117265.1 OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	23654	Seq. ID	OJ990415_07.9C03.C37
Gene No.	49184	Strand	+
Start	386	End	644
Name	OJ990415_07.9C03.C37.o1.tm	Method	TBLASTX:Maize

Start 450
 GI none
 Exons 450..638, 458..643, 501..644

End 644
 Score 179

Seq. No. 23655
 Gene No. 49185
 Start 92
 Name OJ990415_07.9C03.C38.o1.gs
 Start 92
 GI none
 Exons 92..106

Seq. ID OJ990415_07.9C03.C38
 Strand +
 End 106
 Method GENSCAN
 End 106
 Score .7

Seq. No. 23656
 Gene No. 49186
 Start 286
 Name OJ990415_07.9C03.C39.o1.gp
 Start 286
 GI 2800642
 Exons 286..618

Seq. ID OJ990415_07.9C03.C39
 Strand -
 End 618
 Method AAT/GAP
 End 618
 Score 602

Seq. No. 23657
 Gene No. 49187
 Start 226
 Name OJ990415_06.9C10.C1.o1.gs
 Start 226
 GI none
 Exons 226..297, 356..486

Seq. ID OJ990415_06.9C10.C1
 Strand +
 End 486
 Method GENSCAN
 End 486
 Score .56

Seq. No. 23658
 Gene No. 49188
 Start 15
 Name OJ990415_06.9C10.C4.o1.gs
 Start 15
 GI none
 Exons 15..46, 163..239

Seq. ID OJ990415_06.9C10.C4
 Strand +
 End 239
 Method GENSCAN
 End 239
 Score .76

Seq. No. 23659
 Gene No. 49189
 Start 844
 Name OJ990415_06.9C10.C5.o1.gs
 Start 844
 GI none
 Exons 844..965

Seq. ID OJ990415_06.9C10.C5
 Strand +
 End 965
 Method GENSCAN
 End 965
 Score .6

Seq. No. 23660
 Gene No. 49190
 Start 1
 Name OJ990415_06.9C10.C6.o1.np
 Start 1
 GI 5669782
 Exons 1..191, 264..908
 GI Descrip. (AF108010) Hv1LRR2 [Hordeum vulgare]

Seq. ID OJ990415_06.9C10.C6
 Strand +
 End 908
 Method AAT/NAP
 End 908
 Score 394

Seq. No. 23660
 Gene No. 49190
 Start 1
 Name OJ990415_06.9C10.C6.o1.tw

Seq. ID OJ990415_06.9C10.C6
 Strand +
 End 908
 Method TBLASTX:Wheat

Start 350
 GI none
 Exons 350..652, 508..612

End 652
 Score 214

Seq. No. 23660
 Gene No. 49190
 Start 1
 Name OJ990415_06.9C10.C6.o1.ts
 Start 353
 GI none
 Exons 353..700, 674..844

Seq. ID OJ990415_06.9C10.C6
 Strand +
 End 908
 Method TBLASTX:Soybean
 End 844
 Score 190

Seq. No. 23660
 Gene No. 49190
 Start 1
 Name OJ990415_06.9C10.C6.o1.tm
 Start 572
 GI none
 Exons 572..898, 573..881, 575..901, 730..903

Seq. ID OJ990415_06.9C10.C6
 Strand +
 End 908
 Method TBLASTX:Maize
 End 903
 Score 99

Seq. No. 23661
 Gene No. 49191
 Start 337
 Name OJ990415_06.9C10.C9.o1.gs
 Start 337
 GI none
 Exons 337..437

Seq. ID OJ990415_06.9C10.C9
 Strand -
 End 437
 Method GENSCAN
 End 437
 Score .47

Seq. No. 23662
 Gene No. 49192
 Start 1
 Name OJ990415_06.9C10.C10.o1.tm
 Start 1
 GI none
 Exons 1..78, 1..81, 3..83, 293..502, 330..503

Seq. ID OJ990415_06.9C10.C10
 Strand +
 End 503
 Method TBLASTX:Maize
 End 503
 Score 107

Seq. No. 23663
 Gene No. 49193
 Start 1
 Name OJ990415_06.9C10.C12.o1.np
 Start 1
 GI 1653291
 Exons 1..85, 565..655, 1106..1273, 1463..1624, 1726..1919, 2236..2386, 2837..3025

Seq. ID OJ990415_06.9C10.C12
 Strand +
 End 3606
 Method AAT/NAP
 End 3025
 Score 527

GI Descrip. (D90912) hypothetical protein [Synechocystis sp.]

Seq. No. 23663
 Gene No. 49193
 Start 1
 Name OJ990415_06.9C10.C12.o1.gs
 Start 568
 GI none
 Exons 568..628, 1091..1273, 1463..1624, 1726..1919, 2236..2354, 2433..2460, 2815..2999, 3542..3606

Seq. ID OJ990415_06.9C10.C12
 Strand +
 End 3606
 Method GENSCAN
 End 3606
 Score .87

Seq. No. 23663
 Gene No. 49194
 Seq. ID OJ990415_06.9C10.C12
 Strand +

Start	6251	End	9527
Name	OJ990415_06.9C10.C12.o3.gs	Method	GENSCAN
Start	6251	End	9527
GI	none	Score	.41
Exons	6251..6586, 7840..8079, 8738..8900, 9109..9527		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49194	Strand	+
Start	6251	End	9527
Name	OJ990415_06.9C10.C12.o2.gp	Method	AAT/GAP
Start	6408	End	8115
GI	2428351	Score	851
Exons	6408..6586, 7840..8115		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49195	Strand	+
Start	12082	End	12245
Name	OJ990415_06.9C10.C12.o2.np	Method	AAT/NAP
Start	12082	End	12245
GI	5852172	Score	112
Exons	12082..12245		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49196	Strand	+
Start	12974	End	14496
Name	OJ990415_06.9C10.C12.o5.gs	Method	GENSCAN
Start	12974	End	14496
GI	none	Score	.65
Exons	12974..13109, 13836..14062, 14067..14154, 14183..14496		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49197	Strand	+
Start	16075	End	16436
Name	OJ990415_06.9C10.C12.o6.gs	Method	GENSCAN
Start	16075	End	16436
GI	none	Score	.46
Exons	16075..16200, 16248..16436		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49198	Strand	+
Start	29115	End	29734
Name	OJ990415_06.9C10.C12.o10.gs	Method	GENSCAN
Start	29115	End	29734
GI	none	Score	.48
Exons	29115..29207, 29285..29734		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49199	Strand	+
Start	32894	End	33410
Name	OJ990415_06.9C10.C12.o5.gp	Method	AAT/GAP
Start	32894	End	33410
GI	none	Score	990
Exons	32894..33410		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49200	Strand	+

Start	43919	End	53204
Name	OJ990415_06.9C10.C12.o12.gs	Method	GENSCAN
Start	43919	End	53204
GI	none	Score	.56
Exons	43919..43972, 44879..45018, 45486..45553, 46504..46585, 46694..46821, 48368..48426, 48536..48603, 48809..48919, 49036..49112, 50999..51114, 51882..51938, 53097..53204		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49200	Strand	+
Start	43919	End	53204
Name	OJ990415_06.9C10.C12.o8.gp	Method	AAT/GAP
Start	44972	End	47589
GI	426290	Score	716
Exons	44972..45097, 45486..45553, 46504..46585, 46694..46777, 47550..47589		

GI Descrip. 3415134 1.0e-45 (AF082024) Phyb1 [Pimpinella brachycarpa]

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49200	Strand	+
Start	43919	End	53204
Name	OJ990415_06.9C10.C12.o5.np	Method	AAT/NAP
Start	45039	End	49351
GI	3415134	Score	569
Exons	45039..45097, 45486..45553, 46504..46585, 46694..46777, 47550..47589, 48168..48213, 48368..48426, 48536..48603, 48809..48876, 49032..49134, 49297..49351		

GI Descrip. (AF082024) Phyb1 [Pimpinella brachycarpa]

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49201	Strand	-
Start	3550	End	3848
Name	OJ990415_06.9C10.C12.o1.gp	Method	AAT/GAP
Start	3550	End	3848
GI	uC-osflcyp135g02a1	Score	586
Exons	3550..3848		
GI Descrip.	'5852172/emb CAB55410.1 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49202	Strand	-
Start	4788	End	6136
Name	OJ990415_06.9C10.C12.o2.gs	Method	GENSCAN
Start	4788	End	6136
GI	none	Score	.53
Exons	4788..4972, 5361..5970, 5978..6136		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49203	Strand	-
Start	10635	End	12405
Name	OJ990415_06.9C10.C12.o4.gs	Method	GENSCAN
Start	10635	End	12402
GI	none	Score	.4
Exons	10635..10651, 10737..10839, 11092..11166, 12217..12402		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49203	Strand	-

Start	10635	End	12405
Name	OJ990415_06.9C10.C12.o3.gp		
Start	12068	End	12405
GI	427610	Score	269
Exons	12068..12114, 12142..12205, 12310..12405		
GI Descrip.	5852172/emb CAB55410.1 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49204	Strand	-
Start	17539	End	18093
Name	OJ990415_06.9C10.C12.o7.gs		
Start	17539	Method	GENSCAN
GI	none	End	18093
Exons	17539..18093	Score	.65

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49205	Strand	-
Start	21991	End	27396
Name	OJ990415_06.9C10.C12.o9.gs		
Start	21991	Method	GENSCAN
GI	none	End	27396
Exons	21991..22169, 22195..22373, 22390..22758, 23354..23513, 24618..26774, 27369..27396		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49206	Strand	-
Start	30840	End	40784
Name	OJ990415_06.9C10.C12.o11.gs		
Start	30840	Method	GENSCAN
GI	none	End	40784
Exons	30840..30845, 31010..31283, 33434..33489, 34008..34289, 34452..34612, 34688..34922, 35661..35744, 35823..35918, 36134..36856, 39324..39787, 40128..40197, 40725..40784		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49206	Strand	-
Start	30840	End	40784
Name	OJ990415_06.9C10.C12.o4.gp		
Start	32117	Method	AAT/GAP
GI	LIB3477-003-P1-K1-E9	End	32234
Exons	32117..32234	Score	143
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49206	Strand	-
Start	30840	End	40784
Name	OJ990415_06.9C10.C12.o4.np		
Start	33850	Method	AAT/NAP
GI	4836950	End	39787
Exons	33850..34289, 34452..34612, 34688..34922, 35661..35690, 35823..35918, 36134..36856, 39324..39584, 39689..39787		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
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Gene No. 49206 Strand -
 Start 30840 End 40784
 Name OJ990415_06.9C10.C12.o6.gp Method AAT/GAP
 Start 34184 End 34750
 GI LIB3432-023-P1-K1-G4 Score 576
 Exons 34184..34289, 34452..34612, 34688..34750
 GI Descrip. '4836950/gb|AAD30652.1|AC006085_25 3.0e-17 (AC006085)
 Hypothetical protein [Arabidopsis thaliana]'

Seq. No. 23663 Seq. ID OJ990415_06.9C10.C12
 Gene No. 49206 Strand -
 Start 30840 End 40784
 Name OJ990415_06.9C10.C12.o7.gp Method AAT/GAP
 Start 36178 End 39533
 GI 51076_1.R1084 Score 1713
 Exons 36178..36856, 39324..39533
 GI Descrip. '3415134 1.0e-45 (AF082024) Phyb1 [Pimpinella brachycarpa]'

Seq. No. 23663 Seq. ID OJ990415_06.9C10.C12
 Gene No. 49207 Strand -
 Start 49199 End 55021
 Name OJ990415_06.9C10.C12.o1.ts Method TBLASTX:Soybean
 Start 553 End 1594
 GI none Score 117
 Exons 553..636, 569..670, 1118..1273, 1118..1273, 1119..1274,
 1126..1275, 1429..1482, 1493..1594, 1498..1557

Seq. No. 23663 Seq. ID OJ990415_06.9C10.C12
 Gene No. 49207 Strand -
 Start 49199 End 55021
 Name OJ990415_06.9C10.C12.o3.tm Method TBLASTX:Maize
 Start 1103 End 3007
 GI none Score 250
 Exons 1103..1273, 1108..1275, 1126..1269, 1499..1624, 1499..1624,
 1500..1631, 1503..1625, 1660..1926, 1723..1929, 2224..2328,
 2234..2392, 2237..2386, 2352..2387, 2833..3006, 2834..3007

Seq. No. 23663 Seq. ID OJ990415_06.9C10.C12
 Gene No. 49207 Strand -
 Start 49199 End 55021
 Name OJ990415_06.9C10.C12.o3.tc Method TBLASTX:Cress
 Start 1109 End 1860
 GI none Score 235
 Exons 1109..1273, 1109..1273, 1123..1284, 1460..1624, 1462..1626,
 1485..1625, 1660..1860, 1723..1833

Seq. No. 23663 Seq. ID OJ990415_06.9C10.C12
 Gene No. 49207 Strand -
 Start 49199 End 55021
 Name OJ990415_06.9C10.C12.o2.ts Method TBLASTX:Soybean
 Start 2834 End 2995
 GI none Score 231
 Exons 2834..2995, 2836..2976

Seq. No. 23663 Seq. ID OJ990415_06.9C10.C12
 Gene No. 49207 Strand -
 Start 49199 End 55021

Name	OJ990415_06.9C10.C12.o4.tc	Method	TBLASTX:Cress
Start	2834	End	3001
GI	none	Score	139
Exons	2834..2920, 2836..2919, 2923..3000, 2924..3001		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	23842	End	34868
GI	none	Score	76
Exons	23842..23916, 23843..23917, 23845..23919, 23846..23917, 23922..23963, 23929..23970, 23970..24131, 23980..24090, 23981..24145, 23987..24130, 24377..24502, 24378..24458, 24389..24478, 34005..34292, 34006..34293, 34010..34294, 34452..34613, 34452..34628, 34459..34614, 34689..34868, 34690..34863		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o2.tc	Method	TBLASTX:Cress
Start	24386	End	34928
GI	none	Score	93
Exons	24386..24502, 34447..34614, 34452..34628, 34722..34928, 34738..34923		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o4.tm	Method	TBLASTX:Maize
Start	26248	End	26673
GI	none	Score	219
Exons	26248..26301, 26372..26614, 26377..26673, 26417..26665		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	35839	End	36650
GI	none	Score	107
Exons	35839..35916, 35839..35919, 35841..35921, 36073..36648, 36131..36649, 36168..36650		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o1.tc	Method	TBLASTX:Cress
Start	36161	End	36604
GI	none	Score	224
Exons	36161..36232, 36251..36604		

Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o5.tm	Method	TBLASTX:Maize
Start	36650	End	39421

GI	none	Score	138
Exons	36650..36784, 36651..36794, 36708..36857, 36776..36859, 36785..36859, 39285..39359, 39323..39421		
Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	45483	End	48589
GI	none	Score	63
Exons	45483..45551, 45486..45551, 45487..45552, 45487..45552, 46491..46586, 46503..46586, 46504..46587, 46504..46587, 46688..46780, 46689..46781, 46692..46781, 46693..46782, 47551..47592, 48165..48215, 48165..48212, 48167..48214, 48352..48429, 48352..48435, 48357..48437, 48365..48448, 48527..48589, 48530..48589		
Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o5.tc	Method	TBLASTX:Cress
Start	45486	End	46781
GI	none	Score	113
Exons	45486..45551, 45487..45552, 46502..46585, 46503..46586, 46689..46781, 46692..46781		
Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o6.np	Method	AAT/NAP
Start	49199	End	55021
GI	4519258	Score	1151
Exons	49199..49235, 50421..51030, 51068..51418, 51562..51830, 54973..55021		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		
Seq. No.	23663	Seq. ID	OJ990415_06.9C10.C12
Gene No.	49207	Strand	-
Start	49199	End	55021
Name	OJ990415_06.9C10.C12.o13.gs	Method	GENSCAN
Start	54455	End	54790
GI	none	Score	.94
Exons	54455..54790		
Seq. No.	23664	Seq. ID	OJ990415_06.9C10.C14
Gene No.	49208	Strand	+
Start	3207	End	6895
Name	OJ990415_06.9C10.C14.o1.gs	Method	GENSCAN
Start	3207	End	5387
GI	none	Score	.99
Exons	3207..5387		
Seq. No.	23664	Seq. ID	OJ990415_06.9C10.C14
Gene No.	49208	Strand	+
Start	3207	End	6895
Name	OJ990415_06.9C10.C14.o1.np	Method	AAT/NAP
Start	3207	End	6895

GI 4680181 Score 484
 Exons 3207..3572, 4551..4742, 4839..5343, 6865..6895
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 23664 Seq. ID OJ990415_06.9C10.C14
 Gene No. 49208 Strand +
 Start 3207 End 6895
 Name OJ990415_06.9C10.C14.o1.gp Method AAT/GAP
 Start 5015 End 5471
 GI LIB3433-034-P1-K1-E6 Score 888
 Exons 5015..5471
 GI Descrip. '2832636/emb|CAA16765.1| 7.0e-20 (AL021711) hypothetical protein
 [Arabidopsis thaliana]'

Seq. No. 23664 Seq. ID OJ990415_06.9C10.C14
 Gene No. 49209 Strand +
 Start 10908 End 11758
 Name OJ990415_06.9C10.C14.o3.gs Method GENSCAN
 Start 10908 End 11758
 GI none Score .63
 Exons 10908..10993, 11656..11758

Seq. No. 23664 Seq. ID OJ990415_06.9C10.C14
 Gene No. 49210 Strand -
 Start 9713 End 12446
 Name OJ990415_06.9C10.C14.o1.tm Method TBLASTX:Maize
 Start 3303 End 3725
 GI none Score 36
 Exons 3303..3407, 3432..3602, 3621..3725

Seq. No. 23664 Seq. ID OJ990415_06.9C10.C14
 Gene No. 49210 Strand -
 Start 9713 End 12446
 Name OJ990415_06.9C10.C14.o1.ts Method TBLASTX:Soybean
 Start 5127 End 5360
 GI none Score 243
 Exons 5127..5360, 5249..5359

Seq. No. 23664 Seq. ID OJ990415_06.9C10.C14
 Gene No. 49210 Strand -
 Start 9713 End 12446
 Name OJ990415_06.9C10.C14.o2.np Method AAT/NAP
 Start 9713 End 12446
 GI 6721512 Score 51
 Exons 9713..9736, 11052..11180, 12393..12446
 GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 23665 Seq. ID OJ990415_06.9C10.C15
 Gene No. 49211 Strand -
 Start 1 End 2706
 Name OJ990415_06.9C10.C15.o1.np Method AAT/NAP
 Start 1 End 2706
 GI 5042463 Score 89
 Exons 1..40, 1319..1472, 2677..2706
 GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No. 23665 Seq. ID OJ990415_06.9C10.C15

Gene No. 49212
 Start 3908
 Name OJ990415_06.9C10.C15.o2.np
 Start 3908
 GI 4519936
 Exons 3908..5346
 GI Descrip. (AB019186) RPR1 [Oryza sativa]

Strand -
 End 5346
 Method AAT/NAP
 End 5346
 Score 564

Seq. No. 23665
 Gene No. 49212
 Start 3908
 Name OJ990415_06.9C10.C15.o1.tm
 Start 5053
 GI none
 Exons 5053..5226, 5055..5324, 5058..5318, 5075..5332, 5290..5325

Seq. ID OJ990415_06.9C10.C15
 Strand -
 End 5346
 Method TBLASTX:Maize
 End 5332
 Score 66

Seq. No. 23666
 Gene No. 49213
 Start 3815
 Name OJ990415_06.9C10.C16.o1.np
 Start 3815
 GI 6721157
 Exons 3815..3862, 5306..5416, 5850..6118
 GI Descrip. (AC016829) putative GDSL-motif lipase/acylhydrolase [Arabidopsis thaliana]

Seq. ID OJ990415_06.9C10.C16
 Strand -
 End 6118
 Method AAT/NAP
 End 6118
 Score 96

Seq. No. 23667
 Gene No. 49214
 Start 1307
 Name OJ990415_06.9C10.C17.o1.gs
 Start 1307
 GI none
 Exons 1307..1349, 1368..1507, 5838..5909, 5968..6098, 7218..7406, 7673..7876, 9270..9432, 9477..9962

Seq. ID OJ990415_06.9C10.C17
 Strand +
 End 9962
 Method GENSCAN
 End 9962
 Score .52

Seq. No. 23667
 Gene No. 49214
 Start 1307
 Name OJ990415_06.9C10.C17.o1.tw
 Start 6136
 GI none
 Exons 6136..6372

Seq. ID OJ990415_06.9C10.C17
 Strand +
 End 9962
 Method TBLASTX:Wheat
 End 6372
 Score 196

Seq. No. 23667
 Gene No. 49214
 Start 1307
 Name OJ990415_06.9C10.C17.o1.tm
 Start 6451
 GI none
 Exons 6451..6648, 6459..6647, 6643..6744

Seq. ID OJ990415_06.9C10.C17
 Strand +
 End 9962
 Method TBLASTX:Maize
 End 6744
 Score 154

Seq. No. 23668
 Gene No. 49215
 Start 98
 Name OJ990415_06.9C10.C18.o1.gs
 Start 98
 GI none

Seq. ID OJ990415_06.9C10.C18
 Strand +
 End 149
 Method GENSCAN
 End 149
 Score .79

Exons 98..149

Seq. No.	23668	Seq. ID	OJ990415_06.9C10.C18
Gene No.	49216	Strand	-
Start	913	End	1441
Name	OJ990415_06.9C10.C18.o2.gs	Method	GENSCAN
Start	913	End	1441
GI	none	Score	.56
Exons	913..1441		

Seq. No.	23669	Seq. ID	OJ990415_06.9C10.C19
Gene No.	49217	Strand	-
Start	219	End	388
Name	OJ990415_06.9C10.C19.o1.gs	Method	GENSCAN
Start	219	End	388
GI	none	Score	.95
Exons	219..388		

Seq. No.	23670	Seq. ID	OJ990415_06.9C10.C27
Gene No.	49218	Strand	+
Start	134	End	632
Name	OJ990415_06.9C10.C27.o1.gs	Method	GENSCAN
Start	134	End	632
GI	none	Score	.82
Exons	134..227, 348..632		

Seq. No.	23671	Seq. ID	OJ990415_06.9C10.C34
Gene No.	49219	Strand	-
Start	702	End	761
Name	OJ990415_06.9C10.C34.o1.gs	Method	GENSCAN
Start	702	End	761
GI	none	Score	.78
Exons	702..761		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49220	Strand	+
Start	964	End	18502
Name	OJ990715_09.9C01.C5.o1.gs	Method	GENSCAN
Start	964	End	18502
GI	none	Score	.51
Exons	964..1165, 2853..2998, 4678..4879, 6274..6334, 6697..7889, 8526..9643, 9698..10066, 10162..10523, 12881..13145, 13244..13464, 13910..14036, 14088..14189, 14341..14524, 14801..14929, 15589..15661, 17593..17749, 18327..18502		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49220	Strand	+
Start	964	End	18502
Name	OJ990715_09.9C01.C5.o1.np	Method	AAT/NAP
Start	4985	End	9776
GI	5091513	Score	2530
Exons	4985..5026, 6567..7780, 8612..9463, 9602..9776		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49220	Strand	+
Start	964	End	18502

Name	OJ990715_09.9C01.C5.o1.gp	Method	AAT/GAP
Start	5872	End	6008
GI	5816518	Score	156
Exons	5872..6008		
GI Descrip.	4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49220	Strand	+
Start	964	End	18502
Name	OJ990715_09.9C01.C5.o2.gp	Method	AAT/GAP
Start	5986	End	6243
GI	3761181	Score	430
Exons	5986..6243		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49220	Strand	+
Start	964	End	18502
Name	OJ990715_09.9C01.C5.o4.gp	Method	AAT/GAP
Start	12306	End	12563
GI	3761181	Score	430
Exons	12306..12563		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49220	Strand	+
Start	964	End	18502
Name	OJ990715_09.9C01.C5.o2.np	Method	AAT/NAP
Start	12992	End	15776
GI	1402888	Score	764
Exons	12992..13145, 13256..13464, 13910..14041, 14108..14177, 14341..14524, 14801..14941, 15542..15776		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana]		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49221	Strand	-
Start	12192	End	12297
Name	OJ990715_09.9C01.C5.o3.gp	Method	AAT/GAP
Start	12192	End	12297
GI	5816518	Score	155
Exons	12192..12297		
GI Descrip.	4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49222	Strand	
Start	13294	End	13470
Name	OJ990715_09.9C01.C5.o1.tc	Method	TBLASTX:Cress
Start	13294	End	13470
GI	none	Score	194
Exons	13294..13470, 13353..13466		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49223	Strand	

Start	14779	End	15782
Name	OJ990715_09.9C01.C5.ol.tm	Method	TBLASTX:Maize
Start	14779	End	14957
GI	none	Score	165
Exons	14779..14955, 14780..14950, 14784..14954, 14787..14957, 14800..14955		

Seq. No.	23672	Seq. ID	OJ990715_09.9C01.C5
Gene No.	49223	Strand	
Start	14779	End	15782
Name	OJ990715_09.9C01.C5.ol.ts	Method	TBLASTX:Soybean
Start	14856	End	15782
GI	5126733	Score	76
Exons	14856..14942, 15552..15782		
GI Descrip.	-		

Seq. No.	23673	Seq. ID	OJ990715_09.9C01.C6
Gene No.	49224	Strand	+
Start	420	End	614
Name	OJ990715_09.9C01.C6.ol.tm	Method	TBLASTX:Maize
Start	226	End	614
GI	none	Score	57
Exons	226..300, 228..293, 404..496, 409..585, 409..588, 411..614		

Seq. No.	23673	Seq. ID	OJ990715_09.9C01.C6
Gene No.	49224	Strand	+
Start	420	End	614
Name	OJ990715_09.9C01.C6.ol.ts	Method	TBLASTX:Soybean
Start	396	End	573
GI	none	Score	178
Exons	396..569, 397..573		

Seq. No.	23673	Seq. ID	OJ990715_09.9C01.C6
Gene No.	49224	Strand	+
Start	420	End	614
Name	OJ990715_09.9C01.C6.ol.gs	Method	GENSCAN
Start	420	End	606
GI	none	Score	.41
Exons	420..606		

Seq. No.	23674	Seq. ID	OJ990715_09.9C01.C7
Gene No.	49225	Strand	-
Start	1	End	790
Name	OJ990715_09.9C01.C7.ol.np	Method	AAT/NAP
Start	1	End	790
GI	5091513	Score	994
Exons	1..790		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23674	Seq. ID	OJ990715_09.9C01.C7
Gene No.	49225	Strand	-
Start	1	End	790
Name	OJ990715_09.9C01.C7.ol.gs	Method	GENSCAN
Start	65	End	779
GI	none	Score	.71
Exons	65..779		

Seq. No.	23675	Seq. ID	OJ990715_09.9C01.C9
Gene No.	49226	Strand	-
Start	304	End	793
Name	OJ990715_09.9C01.C9.o1.gs	Method	GENSCAN
Start	304	End	784
GI	none	Score	.65
Exons	304..340, 544..595, 728..784		

Seq. No.	23675	Seq. ID	OJ990715_09.9C01.C9
Gene No.	49226	Strand	-
Start	304	End	793
Name	OJ990715_09.9C01.C9.o1.gp	Method	AAT/GAP
Start	528	End	793
GI	2442485	Score	465
Exons	528..793		

Seq. No.	23676	Seq. ID	OJ990715_09.9C01.C10
Gene No.	49227	Strand	+
Start	1	End	2222
Name	OJ990715_09.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	2222
GI	2244929	Score	140
Exons	1..26, 258..381, 844..907, 1688..1889, 2193..2222		
GI Descrip.	(297339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23676	Seq. ID	OJ990715_09.9C01.C10
Gene No.	49227	Strand	+
Start	1	End	2222
Name	OJ990715_09.9C01.C10.o1.gs	Method	GENSCAN
Start	58	End	2045
GI	none	Score	.74
Exons	58..381, 844..1124, 1201..1434, 1491..2045		

Seq. No.	23677	Seq. ID	OJ990715_09.9C01.C11
Gene No.	49228	Strand	+
Start	1	End	2340
Name	OJ990715_09.9C01.C11.o1.np	Method	AAT/NAP
Start	1	End	2325
GI	6056403	Score	208
Exons	1..196, 274..390, 766..952, 1483..1637, 2137..2325		
GI Descrip.	(AC009525) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23677	Seq. ID	OJ990715_09.9C01.C11
Gene No.	49228	Strand	+
Start	1	End	2340
Name	OJ990715_09.9C01.C11.o1.gs	Method	GENSCAN
Start	95	End	2340
GI	none	Score	.7
Exons	95..196, 274..434, 792..952, 1510..1637, 2137..2340		

Seq. No.	23677	Seq. ID	OJ990715_09.9C01.C11
Gene No.	49229	Strand	-
Start	5514	End	7621
Name	OJ990715_09.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	1478	End	2374
GI	none	Score	126
Exons	1478..1531, 1517..1630, 1521..1637, 1523..1642, 1527..1637,		

1567..1641, 2123..2341, 2140..2325, 2141..2374

Seq. No.	23677	Seq. ID	OJ990715_09.9C01.C11
Gene No.	49229	Strand	-
Start	5514	End	7621
Name	OJ990715_09.9C01.C11.o2.gs	Method	GENSCAN
Start	5514	End	7621
GI	none	Score	.64
Exons	5514..5711, 7481..7621		

Seq. No.	23678	Seq. ID	OJ990715_09.9C01.C12
Gene No.	49230	Strand	+
Start	2459	End	2826
Name	OJ990715_09.9C01.C12.o1.gs	Method	GENSCAN
Start	2459	End	2826
GI	none	Score	.77
Exons	2459..2525, 2564..2826		

Seq. No.	23678	Seq. ID	OJ990715_09.9C01.C12
Gene No.	49231	Strand	-
Start	2298	End	2686
Name	OJ990715_09.9C01.C12.o1.np	Method	AAT/NAP
Start	2298	End	2686
GI	1644232	Score	51
Exons	2298..2686		
GI Descrip.	(D67066) N-WASP [Bos taurus]		

Seq. No.	23679	Seq. ID	OJ990715_09.9C01.C13
Gene No.	49232	Strand	+
Start	803	End	9262
Name	OJ990715_09.9C01.C13.o1.np	Method	AAT/NAP
Start	803	End	9262
GI	2498778	Score	486
Exons	803..1183, 8279..8416, 9118..9262		
GI Descrip.	PIR7A PROTEIN gi 629799 pir S47086 pir7a protein - rice gi 498744 emb CAA84025 (Z34271) Pir7a [Oryza sativa]		

Seq. No.	23679	Seq. ID	OJ990715_09.9C01.C13
Gene No.	49232	Strand	+
Start	803	End	9262
Name	OJ990715_09.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	809	End	1156
GI	none	Score	165
Exons	809..991, 823..948, 1031..1156, 1042..1155		

Seq. No.	23679	Seq. ID	OJ990715_09.9C01.C13
Gene No.	49232	Strand	+
Start	803	End	9262
Name	OJ990715_09.9C01.C13.o1.ts	Method	TBLASTX:Soybean
Start	818	End	1147
GI	none	Score	179
Exons	818..985, 829..963, 1037..1147		

Seq. No.	23679	Seq. ID	OJ990715_09.9C01.C13
Gene No.	49232	Strand	+
Start	803	End	9262
Name	OJ990715_09.9C01.C13.o1.tc	Method	TBLASTX:Cress

Start	830	End	1147
GI	none	Score	189
Exons	830..991, 832..963, 1031..1147		

Seq. No.	23679	Seq. ID	OJ990715_09.9C01.C13
Gene No.	49232	Strand	+
Start	803	End	9262
Name	OJ990715_09.9C01.C13.o1.tw	Method	TBLASTX:Wheat
Start	856	End	1189
GI	none	Score	114
Exons	856..963, 857..964, 1031..1189, 1045..1164		

Seq. No.	23680	Seq. ID	OJ990715_09.9C01.C14
Gene No.	49233	Strand	+
Start	2881	End	5697
Name	OJ990715_09.9C01.C14.o2.gs	Method	GENSCAN
Start	2881	End	5697
GI	none	Score	.8
Exons	2881..2960, 3078..3188, 3226..3368, 3496..3709, 4071..4197, 5620..5697		

Seq. No.	23680	Seq. ID	OJ990715_09.9C01.C14
Gene No.	49234	Strand	+
Start	6408	End	12988
Name	OJ990715_09.9C01.C14.o3.gs	Method	GENSCAN
Start	6408	End	12276
GI	none	Score	.7
Exons	6408..6869, 9406..9472, 9920..9954, 10377..10514, 11983..12276		

Seq. No.	23680	Seq. ID	OJ990715_09.9C01.C14
Gene No.	49234	Strand	+
Start	6408	End	12988
Name	OJ990715_09.9C01.C14.o2.np	Method	AAT/NAP
Start	6492	End	12267
GI	629800	Score	627
Exons	6492..6896, 10401..10514, 11983..12267		
GI Descrip.	pir7b protein - rice gi 498747 emb CAA84024 (Z34270) Pir7b [Oryza sativa]		

Seq. No.	23680	Seq. ID	OJ990715_09.9C01.C14
Gene No.	49234	Strand	+
Start	6408	End	12988
Name	OJ990715_09.9C01.C14.o3.np	Method	AAT/NAP
Start	11497	End	12988
GI	5852093	Score	62
Exons	11497..11552, 12882..12988		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	23680	Seq. ID	OJ990715_09.9C01.C14
Gene No.	49234	Strand	+
Start	6408	End	12988
Name	OJ990715_09.9C01.C14.o1.gp	Method	AAT/GAP
Start	12469	End	12555
GI	5867_1.R1084	Score	123
Exons	12469..12555		
GI Descrip.	'464986/sp P35132 UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN		

CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674
ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis
thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating
enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639)
ubiquitin conjugating enzyme [Arabidopsis]

Seq. No.	23680	Seq. ID	OJ990715_09.9C01.C14
Gene No.	49235	Strand	-
Start	28	End	2338
Name	OJ990715_09.9C01.C14.o1.gs	Method	GENSCAN
Start	28	End	2338
GI	none	Score	.77
Exons	28..233, 357..631, 2327..2338		

Seq. No.	23680	Seq. ID	OJ990715_09.9C01.C14
Gene No.	49236	Strand	-
Start	2787	End	5471
Name	OJ990715_09.9C01.C14.o1.np	Method	AAT/NAP
Start	2787	End	5471
GI	6539570	Score	94
Exons	2787..2807, 3550..3602, 5039..5094, 5255..5471		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	23680	Seq. ID	OJ990715_09.9C01.C14
Gene No.	49237	Strand	-
Start	6483	End	6833
Name	OJ990715_09.9C01.C14.o1.tc	Method	TBLASTX:Cress
Start	6483	End	6833
GI	none	Score	160
Exons	6483..6665, 6506..6550, 6510..6659, 6720..6833		

Seq. No.	23680	Seq. ID	OJ990715_09.9C01.C14
Gene No.	49237	Strand	-
Start	6483	End	6833
Name	OJ990715_09.9C01.C14.o1.ts	Method	TBLASTX:Soybean
Start	6501	End	6833
GI	none	Score	157
Exons	6501..6662, 6506..6646, 6723..6833, 6746..6832		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49238	Strand	-
Start	2422	End	4746
Name	OJ990715_09.9C01.C15.o1.gp	Method	AAT/GAP
Start	2008	End	2191
GI	2798039	Score	349
Exons	2008..2191		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49238	Strand	-
Start	2422	End	4746
Name	OJ990715_09.9C01.C15.o1.gs	Method	GENSCAN
Start	2422	End	4746
GI	none	Score	.73
Exons	2422..4746		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49238	Strand	-

Start	2422	End	4746
Name	OJ990715_09.9C01.C15.o1.np	Method	AAT/NAP
Start	2425	End	4743
GI	6729531	Score	3517
Exons	2425..4743		
GI Descrip.	(AL132977) anthranilate phosphoribosyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49238	Strand	-
Start	2422	End	4746
Name	OJ990715_09.9C01.C15.o2.gp	Method	AAT/GAP
Start	2543	End	3686
GI	13969_1.R1084	Score	2190
Exons	2543..3686		
GI Descrip.	'4539452/emb CAB39932.1 1.0e-154 (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]'		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	2230	End	3165
GI	none	Score	82
Exons	2230..2331, 2231..2329, 2249..2335, 2395..3165, 2417..3163		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	2414	End	3292
GI	none	Score	846
Exons	2414..3292, 2420..2512, 2422..3291		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	2521	End	3185
GI	none	Score	577
Exons	2521..3174, 2522..3175, 2952..3185		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o4.tm	Method	TBLASTX:Maize
Start	3169	End	3391
GI	none	Score	196
Exons	3169..3390, 3170..3391, 3176..3391		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o2.tc	Method	TBLASTX:Cress
Start	3187	End	3844
GI	none	Score	38
Exons	3187..3216, 3191..3214, 3209..3430, 3220..3429, 3227..3430,		

3409..3585, 3409..3600, 3410..3601, 3410..3601, 3598..3828,
3599..3829, 3651..3842, 3662..3844

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o1.tw	Method	TBLASTX:Wheat
Start	3194	End	3592
GI	none	Score	606
Exons	3194..3592, 3194..3580, 3196..3591		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o4.ts	Method	TBLASTX:Soybean
Start	3310	End	3478
GI	none	Score	158
Exons	3310..3477, 3311..3478		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o2.tm	Method	TBLASTX:Maize
Start	3392	End	3942
GI	none	Score	818
Exons	3392..3940, 3394..3942, 3394..3942		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o2.ts	Method	TBLASTX:Soybean
Start	3478	End	4288
GI	none	Score	279
Exons	3478..3798, 3485..3784, 3814..4002, 3814..4212, 4037..4180, 4204..4287, 4205..4288		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o3.tc	Method	TBLASTX:Cress
Start	3845	End	4206
GI	none	Score	299
Exons	3845..4195, 3853..4194, 3877..4206		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o5.tm	Method	TBLASTX:Maize
Start	3943	End	4647
GI	none	Score	133
Exons	3943..4029, 3944..4027, 4029..4133, 4031..4141, 4033..4143, 4033..4143, 4573..4647, 4574..4639, 4576..4647		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o3.tm	Method	TBLASTX:Maize

Start	4144	End	4573
GI	none	Score	525
Exons	4144..4392, 4145..4573, 4145..4573		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o5.tc	Method	TBLASTX:Cress
Start	4210	End	4405
GI	none	Score	63
Exons	4210..4281, 4213..4281, 4214..4282, 4301..4405, 4309..4395		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o3.ts	Method	TBLASTX:Soybean
Start	4315	End	4608
GI	none	Score	92
Exons	4315..4416, 4315..4392, 4319..4606, 4444..4608		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o4.tc	Method	TBLASTX:Cress
Start	4406	End	4726
GI	none	Score	259
Exons	4406..4639, 4444..4686, 4460..4645, 4617..4703, 4678..4725, 4688..4726		

Seq. No.	23681	Seq. ID	OJ990715_09.9C01.C15
Gene No.	49239	Strand	-
Start	8722	End	9146
Name	OJ990715_09.9C01.C15.o3.gs	Method	GENSCAN
Start	8722	End	9146
GI	none	Score	.99
Exons	8722..9146		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49240	Strand	+
Start	629	End	1600
Name	OJ990715_09.9C01.C16.o1.gs	Method	GENSCAN
Start	629	End	1600
GI	none	Score	.9
Exons	629..631, 1436..1600		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49241	Strand	+
Start	4561	End	6613
Name	OJ990715_09.9C01.C16.o2.gs	Method	GENSCAN
Start	4561	End	5281
GI	none	Score	.91
Exons	4561..4851, 4875..5168, 5186..5281		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49241	Strand	+
Start	4561	End	6613
Name	OJ990715_09.9C01.C16.o1.np	Method	AAT/NAP

Start	4627	End	6613
GI	3426060	Score	140
Exons	4627..5248, 6591..6613		
GI Descrip.	(AJ007586) src2-like protein [Arabidopsis thaliana]		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49242	Strand	+
Start	13409	End	24892
Name	OJ990715_09.9C01.C16.o2.np	Method	AAT/NAP
Start	13375	End	24892
GI	4263522	Score	1086
Exons	13375..13415, 23050..23214, 23530..24892		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49242	Strand	+
Start	13409	End	24892
Name	OJ990715_09.9C01.C16.o4.gs	Method	GENSCAN
Start	13409	End	14642
GI	none	Score	.63
Exons	13409..13618, 14592..14642		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49242	Strand	+
Start	13409	End	24892
Name	OJ990715_09.9C01.C16.o1.gp	Method	AAT/GAP
Start	14938	End	22346
GI	none	Score	1291
Exons	14938..15112, 16039..16362, 22117..22346		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49243	Strand	-
Start	17273	End	20336
Name	OJ990715_09.9C01.C16.o5.gs	Method	GENSCAN
Start	17273	End	20336
GI	none	Score	.6
Exons	17273..17995, 18550..18668, 18703..19344, 19920..20108, 20279..20336		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49244	Strand	-
Start	25042	End	25125
Name	OJ990715_09.9C01.C16.o1.ts	Method	TBLASTX:Soybean
Start	18728	End	19457
GI	none	Score	148
Exons	18728..18868, 18920..19456, 18920..19456, 19170..19457		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49244	Strand	-
Start	25042	End	25125
Name	OJ990715_09.9C01.C16.o3.tm	Method	TBLASTX:Maize
Start	18863	End	19405
GI	none	Score	46
Exons	18863..19099, 18891..18986, 19100..19405, 19107..19322		

Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49244	Strand	-

Start 25042
 Name OJ990715_09.9C01.C16.o2.tw
 Start 18923
 GI none
 Exons 18923..19285, 19017..19274

End 25125
 Method TBLASTX:Wheat
 End 19285
 Score 122

Seq. No. 23682
 Gene No. 49244
 Start 25042
 Name OJ990715_09.9C01.C16.o1.tm
 Start 23066
 GI none
 Exons 23066..23323, 23258..23353, 23360..24052, 23426..23647, 23429..23749, 23747..24115, 23762..24634, 23897..24079, 23969..24139, 24070..24609

Seq. ID OJ990715_09.9C01.C16
 Strand -
 End 25125
 Method TBLASTX:Maize
 End 24634
 Score 142

Seq. No. 23682
 Gene No. 49244
 Start 25042
 Name OJ990715_09.9C01.C16.o2.tc
 Start 23066
 GI none
 Exons 23066..23245, 23075..23305, 23258..23641, 23429..23659, 23437..23637, 23666..24055, 23666..24052, 23780..24052, 23936..24139, 23936..24076, 24053..24175, 24176..24280

Seq. ID OJ990715_09.9C01.C16
 Strand -
 End 25125
 Method TBLASTX:Cress
 End 24280
 Score 96

Seq. No. 23682
 Gene No. 49244
 Start 25042
 Name OJ990715_09.9C01.C16.o1.tw
 Start 23069
 GI none
 Exons 23069..23284, 23432..23710, 23666..23836, 23726..24196, 24028..24195

Seq. ID OJ990715_09.9C01.C16
 Strand -
 End 25125
 Method TBLASTX:Wheat
 End 24196
 Score 100

Seq. No. 23682
 Gene No. 49244
 Start 25042
 Name OJ990715_09.9C01.C16.o4.ts
 Start 23348
 GI none
 Exons 23348..23707, 23349..23387, 23396..23608, 23437..23706, 23756..24055

Seq. ID OJ990715_09.9C01.C16
 Strand -
 End 25125
 Method TBLASTX:Soybean
 End 24055
 Score 288

Seq. No. 23682
 Gene No. 49244
 Start 25042
 Name OJ990715_09.9C01.C16.o2.ts
 Start 24059
 GI none
 Exons 24059..24595, 24067..24576

Seq. ID OJ990715_09.9C01.C16
 Strand -
 End 25125
 Method TBLASTX:Soybean
 End 24595
 Score 427

Seq. No. 23682
 Gene No. 49244
 Start 25042
 Name OJ990715_09.9C01.C16.o1.tc
 Start 24367

Seq. ID OJ990715_09.9C01.C16
 Strand -
 End 25125
 Method TBLASTX:Cress
 End 24902

GI	none	Score	553
Exons	24367..24894, 24368..24895, 24726..24902, 24749..24895		
Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49244	Strand	-
Start	25042	End	25125
Name	OJ990715_09.9C01.C16.o3.ts	Method	TBLASTX:Soybean
Start	24602	End	24895
GI	none	Score	343
Exons	24602..24895, 24688..24894		
Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49244	Strand	-
Start	25042	End	25125
Name	OJ990715_09.9C01.C16.o2.tm	Method	TBLASTX:Maize
Start	24635	End	24907
GI	none	Score	317
Exons	24635..24907, 24688..24897		
Seq. No.	23682	Seq. ID	OJ990715_09.9C01.C16
Gene No.	49244	Strand	-
Start	25042	End	25125
Name	OJ990715_09.9C01.C16.o2.gp	Method	AAT/GAP
Start	25042	End	25125
GI	5867_1.R1084	Score	121
Exons	25042..25125		
GI Descrip.	'464986/sp P35132 UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	23683	Seq. ID	OJ990715_09.9C01.C17
Gene No.	49245	Strand	+
Start	4030	End	4423
Name	OJ990715_09.9C01.C17.o1.gp	Method	AAT/GAP
Start	4030	End	4423
GI	none	Score	742
Exons	4030..4423		
Seq. No.	23683	Seq. ID	OJ990715_09.9C01.C17
Gene No.	49246	Strand	-
Start	1129	End	2670
Name	OJ990715_09.9C01.C17.o1.gs	Method	GENSCAN
Start	1129	End	2670
GI	none	Score	.85
Exons	1129..2670		
Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49247	Strand	+
Start	1	End	839
Name	OJ990715_09.9C01.C18.o1.np	Method	AAT/NAP
Start	1	End	839
GI	6815099	Score	82
Exons	1..61, 732..839		

GI Descrip.. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49248	Strand	+
Start	1782	End	4453
Name	OJ990715_09.9C01.C18.o2.np	Method	AAT/NAP
Start	1782	End	2663
GI	4582435	Score	599

Exons 1782..2663

GI Descrip. (AC007196) putative selenium-binding protein [Arabidopsis thaliana]

Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49248	Strand	+
Start	1782	End	4453
Name	OJ990715_09.9C01.C18.o1.gs	Method	GENSCAN
Start	1916	End	4453
GI	none	Score	.55

Exons 1916..2099, 4263..4453

Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49249	Strand	-
Start	281	End	360
Name	OJ990715_09.9C01.C18.o1.gp	Method	AAT/GAP
Start	281	End	360
GI	69953_1.R1084	Score	103

Exons 281..360

GI Descrip. '5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'

Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49250	Strand	
Start	1768	End	2449
Name	OJ990715_09.9C01.C18.o1.tm	Method	TBLASTX:Maize
Start	1768	End	2449
GI	none	Score	108

Exons 1768..1935, 1774..1938, 1780..1938, 1786..1908, 1858..1935, 1942..2442, 1943..2449, 1946..2011

Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49250	Strand	
Start	1768	End	2449
Name	OJ990715_09.9C01.C18.o1.tw	Method	TBLASTX:Wheat
Start	1780	End	2068
GI	none	Score	124

Exons 1780..1932, 1940..2068, 1942..2067

Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49250	Strand	
Start	1768	End	2449
Name	OJ990715_09.9C01.C18.o1.tc	Method	TBLASTX:Cress
Start	1795	End	2446
GI	none	Score	38

Exons 1795..1827, 1876..1938, 1940..2446, 1942..2442

Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49250	Strand	

Start	1768	End	2449
Name	OJ990715_09.9C01.C18.o1.ts	Method	TBLASTX:Soybean
Start	1930	End	2449
GI	none	Score	407
Exons	1930..2448, 1931..2449		
Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49251	Strand	
Start	2486	End	2678
Name	OJ990715_09.9C01.C18.o2.tm	Method	TBLASTX:Maize
Start	2486	End	2678
GI	none	Score	216
Exons	2486..2668, 2496..2675, 2502..2678		
Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49251	Strand	
Start	2486	End	2678
Name	OJ990715_09.9C01.C18.o2.tc	Method	TBLASTX:Cress
Start	2502	End	2666
GI	none	Score	233
Exons	2502..2666, 2504..2665		
Seq. No.	23684	Seq. ID	OJ990715_09.9C01.C18
Gene No.	49251	Strand	
Start	2486	End	2678
Name	OJ990715_09.9C01.C18.o2.ts	Method	TBLASTX:Soybean
Start	2514	End	2666
GI	none	Score	214
Exons	2514..2666, 2522..2665, 2526..2666		
Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49252	Strand	-
Start	1	End	7679
Name	OJ990715_09.9C01.C23.o1.np	Method	AAT/NAP
Start	1	End	1103
GI	5902444	Score	340
Exons	1..30, 305..1103		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49252	Strand	-
Start	1	End	7679
Name	OJ990715_09.9C01.C23.o1.gs	Method	GENSCAN
Start	326	End	7679
GI	none	Score	.6
Exons	326..567, 673..753, 941..1042, 2082..2165, 2263..2430, 2517..2693, 4239..4251, 4888..5065, 5136..5369, 6108..6300, 7088..7229, 7624..7679		
Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49252	Strand	-
Start	1	End	7679
Name	OJ990715_09.9C01.C23.o1.gp	Method	AAT/GAP
Start	1830	End	2698
GI	52090_1.R1084	Score	1289
Exons	1830..2165, 2263..2430, 2517..2698		
GI Descrip.	'5031981/ref NP_005796.1 pPOH1 3.0e-60 26S		

proteasome-associated pad1 homolog >gi_1923256 (U86782) 26S
proteasome-associated pad1 homolog [Homo sapiens]'

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49252	Strand	-
Start	1	End	7679
Name	OJ990715_09.9C01.C23.o2.np	Method	AAT/NAP
Start	1977	End	5262
GI	6630689	Score	1422
Exons	1977..2165, 2263..2430, 2517..2693, 4170..4251, 4888..5065, 5136..5262		
GI Descrip.	(AP000969) ESTs D39011(R0609), AU032023(R3215) correspond to a region of the predicted gene.; Similar to 26S proteasome, non-ATPase subunit. (Y13071) [Oryza sativa]		

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49252	Strand	-
Start	1	End	7679
Name	OJ990715_09.9C01.C23.o2.gp	Method	AAT/GAP
Start	4838	End	5363
GI	16148 2.R1084	Score	763
Exons	4838..5065, 5136..5363		
GI Descrip.	'2505940/emb CAA73514 4.0e-41 (Y13071) 26S proteasome, non-ATPase subunit [Mus musculus]'		

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49253	Strand	-
Start	9858	End	9947
Name	OJ990715_09.9C01.C23.o1.tm	Method	TBLASTX:Maize
Start	1922	End	4261
GI	none	Score	144
Exons	1922..1951, 1956..2090, 1956..2171, 2020..2166, 2248..2328, 2261..2434, 2262..2435, 2263..2439, 2516..2695, 2517..2696, 2517..2696, 2518..2697, 4170..4250, 4170..4253, 4171..4254, 4175..4261		

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49253	Strand	-
Start	9858	End	9947
Name	OJ990715_09.9C01.C23.o2.tc	Method	TBLASTX:Cress
Start	1954	End	2126
GI	none	Score	99
Exons	1954..2100, 1968..2084, 1974..2126, 2023..2100		

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49253	Strand	-
Start	9858	End	9947
Name	OJ990715_09.9C01.C23.o1.ts	Method	TBLASTX:Soybean
Start	1961	End	4224
GI	none	Score	99
Exons	1961..2086, 1972..2166, 1974..2090, 1974..2171, 2023..2169, 2248..2328, 2261..2419, 2262..2420, 2262..2420, 2263..2433, 2267..2434, 2377..2433, 2516..2695, 2517..2696, 2517..2696, 2518..2697, 4170..4223, 4171..4224		

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49253	Strand	-

Start	9858	End	9947
Name	OJ990715_09.9C01.C23.o1.tw	Method	TBLASTX:Wheat
Start	2270	End	5271
GI	none	Score	151
Exons	2270..2434, 2270..2434, 2272..2442, 2509..2694, 2517..2696, 2517..2696, 2518..2697, 4169..4252, 4170..4253, 4170..4253, 4171..4254, 4883..4936, 4887..5057, 4888..4983, 4902..5066, 4955..5086, 5134..5268, 5135..5269, 5197..5271, 5223..5270		

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49253	Strand	-
Start	9858	End	9947
Name	OJ990715_09.9C01.C23.o2.tm	Method	TBLASTX:Maize
Start	4883	End	5270
GI	none	Score	61
Exons	4883..4936, 4887..5057, 4888..4983, 4902..5066, 5134..5265, 5135..5266, 5220..5270		

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49253	Strand	-
Start	9858	End	9947
Name	OJ990715_09.9C01.C23.o1.tc	Method	TBLASTX:Cress
Start	4887	End	5262
GI	none	Score	136
Exons	4887..5057, 4888..4983, 4902..5012, 5134..5229, 5135..5230, 5227..5262		

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49253	Strand	-
Start	9858	End	9947
Name	OJ990715_09.9C01.C23.o2.ts	Method	TBLASTX:Soybean
Start	4887	End	5265
GI	none	Score	134
Exons	4887..5057, 4888..4983, 4902..5018, 5102..5224, 5134..5184, 5227..5265		

Seq. No.	23685	Seq. ID	OJ990715_09.9C01.C23
Gene No.	49253	Strand	-
Start	9858	End	9947
Name	OJ990715_09.9C01.C23.o2.gs	Method	GENSCAN
Start	9858	End	9947
GI	none	Score	.65
Exons	9858..9947		

Seq. No.	23686	Seq. ID	OJ990715_09.9C01.C24
Gene No.	49254	Strand	+
Start	1069	End	3089
Name	OJ990715_09.9C01.C24.o1.np	Method	AAT/NAP
Start	1069	End	3089
GI	6056403	Score	112
Exons	1069..1092, 2310..2382, 2475..2571, 3071..3089		
GI Descrip.	(AC009525) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23687	Seq. ID	OJ990915_07.9C03.C1
Gene No.	49255	Strand	+
Start	174	End	311
Name	OJ990915_07.9C03.C1.o1.gs	Method	GENSCAN

Start 174
GI none
Exons 174..311

End 311
Score .78

Seq. No. 23688
Gene No. 49256
Start 1
Name OJ990915_07.9C03.C2.o1.np
Start 1
GI 3810596
Exons 1..556
GI Descrip. (AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. ID OJ990915_07.9C03.C2
Strand -
End 556
Method AAT/NAP
End 556
Score 260

Seq. No. 23688
Gene No. 49256
Start 1
Name OJ990915_07.9C03.C2.o1.tm
Start 2
GI none
Exons 2..157, 3..137, 188..511, 231..509

Seq. ID OJ990915_07.9C03.C2
Strand -
End 556
Method TBLASTX:Maize
End 511
Score 67

Seq. No. 23688
Gene No. 49256
Start 1
Name OJ990915_07.9C03.C2.o2.tw
Start 5
GI none
Exons 5..151, 9..146

Seq. ID OJ990915_07.9C03.C2
Strand -
End 556
Method TBLASTX:Wheat
End 151
Score 109

Seq. No. 23688
Gene No. 49256
Start 1
Name OJ990915_07.9C03.C2.o1.gs
Start 98
GI none
Exons 98..544

Seq. ID OJ990915_07.9C03.C2
Strand -
End 556
Method GENSCAN
End 544
Score .57

Seq. No. 23688
Gene No. 49256
Start 1
Name OJ990915_07.9C03.C2.o1.tw
Start 185
GI none
Exons 185..499, 219..491

Seq. ID OJ990915_07.9C03.C2
Strand -
End 556
Method TBLASTX:Wheat
End 499
Score 134

Seq. No. 23689
Gene No. 49257
Start 766
Name OJ990915_07.9C03.C3.o1.gs
Start 766
GI none
Exons 766..851, 965..1125

Seq. ID OJ990915_07.9C03.C3
Strand +
End 1125
Method GENSCAN
End 1125
Score .93

Seq. No. 23689
Gene No. 49258
Start 1465

Seq. ID OJ990915_07.9C03.C3
Strand -
End 9378

Name	OJ990915_07.9C03.C3.o2.gs	Method	GENSCAN
Start	1465	End	9378
GI	none	Score	.55
Exons	1465..1882, 2607..2754, 3869..4005, 6001..6089, 6637..6751, 7505..7795, 9323..9378		

Seq. No.	23690	Seq. ID	OJ990915_07.9C03.C4
Gene No.	49259	Strand	-
Start	174	End	6492
Name	OJ990915_07.9C03.C4.o1.gp	Method	AAT/GAP
Start	174	End	640
GI	none	Score	784
Exons	174..640		

Seq. No.	23690	Seq. ID	OJ990915_07.9C03.C4
Gene No.	49259	Strand	-
Start	174	End	6492
Name	OJ990915_07.9C03.C4.o1.gs	Method	GENSCAN
Start	371	End	6025
GI	none	Score	.58
Exons	371..779, 885..1000, 3188..3252, 4238..4294, 4696..4765, 5355..5425, 5930..6025		

Seq. No.	23690	Seq. ID	OJ990915_07.9C03.C4
Gene No.	49259	Strand	-
Start	174	End	6492
Name	OJ990915_07.9C03.C4.o2.gp	Method	AAT/GAP
Start	1247	End	1342
GI	uC-osflcyp022c06b2	Score	142
Exons	1247..1342		
GI Descrip.	'5042437/gb AC007789.1 AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	23690	Seq. ID	OJ990915_07.9C03.C4
Gene No.	49259	Strand	-
Start	174	End	6492
Name	OJ990915_07.9C03.C4.o3.gp	Method	AAT/GAP
Start	4404	End	6052
GI	21540_1.R1084	Score	1169
Exons	4404..4765, 4850..4941, 5355..5425, 5930..6052		
GI Descrip.	'4835237/emb CAB42915.1 2.0e-34 (AL049862) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	23690	Seq. ID	OJ990915_07.9C03.C4
Gene No.	49259	Strand	-
Start	174	End	6492
Name	OJ990915_07.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	4670	End	6027
GI	none	Score	65
Exons	4670..4768, 4695..4766, 4697..4768, 4846..4944, 4849..4944, 5310..5426, 5352..5435, 5353..5427, 5931..6026, 5931..6026, 5932..6027		

Seq. No.	23690	Seq. ID	OJ990915_07.9C03.C4
Gene No.	49259	Strand	-
Start	174	End	6492
Name	OJ990915_07.9C03.C4.o1.np	Method	AAT/NAP

Start	4849	End	6492
GI	4835237	Score	285
Exons	4849..4941, 5355..5425, 5930..6026, 6395..6492		
GI Descrip.	(AL049862) putative clathrin coat assembly protein [Arabidopsis thaliana]		

Seq. No.	23691	Seq. ID	OJ990915_07.9C03.C5
Gene No.	49260	Strand	+
Start	564	End	1887
Name	OJ990915_07.9C03.C5.o1.gs	Method	GENSCAN
Start	564	End	1887
GI	none	Score	.55
Exons	564..688, 1771..1887		

Seq. No.	23691	Seq. ID	OJ990915_07.9C03.C5
Gene No.	49261	Strand	+
Start	5771	End	7481
Name	OJ990915_07.9C03.C5.o1.np	Method	AAT/NAP
Start	5765	End	6757
GI	2505879	Score	289
Exons	5765..6463, 6545..6757		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23691	Seq. ID	OJ990915_07.9C03.C5
Gene No.	49261	Strand	+
Start	5771	End	7481
Name	OJ990915_07.9C03.C5.o2.gs	Method	GENSCAN
Start	5771	End	6772
GI	none	Score	.83
Exons	5771..6418, 6521..6772		

Seq. No.	23691	Seq. ID	OJ990915_07.9C03.C5
Gene No.	49261	Strand	+
Start	5771	End	7481
Name	OJ990915_07.9C03.C5.o1.gp	Method	AAT/GAP
Start	5863	End	6015
GI	none	Score	279
Exons	5863..6015		

Seq. No.	23691	Seq. ID	OJ990915_07.9C03.C5
Gene No.	49261	Strand	+
Start	5771	End	7481
Name	OJ990915_07.9C03.C5.o2.np	Method	AAT/NAP
Start	6173	End	7481
GI	5777617	Score	103
Exons	6173..6238, 7357..7481		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	23691	Seq. ID	OJ990915_07.9C03.C5
Gene No.	49262	Strand	-
Start	6629	End	7100
Name	OJ990915_07.9C03.C5.o2.gp	Method	AAT/GAP
Start	6629	End	7100
GI	none	Score	888
Exons	6629..7100		

Seq. No.	23691	Seq. ID	OJ990915_07.9C03.C5
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Gene No.	49263	Strand	-
Start	7225	End	10501
Name	OJ990915_07.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	5821	End	6364
GI	none	Score	110
Exons	5821..5925, 5822..5950, 6032..6163, 6040..6135, 6164..6217, 6239..6364		

Seq. No.	23691	Seq. ID	OJ990915_07.9C03.C5
Gene No.	49263	Strand	-
Start	7225	End	10501
Name	OJ990915_07.9C03.C5.o3.gs	Method	GENSCAN
Start	7225	End	10501
GI	none	Score	.58
Exons	7225..7373, 7720..7899, 8122..8434, 8450..8590, 10337..10501		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49264	Strand	+
Start	500	End	2817
Name	OJ990915_07.9C03.C7.o1.np	Method	AAT/NAP
Start	500	End	2817
GI	4678934	Score	308
Exons	500..589, 643..778, 1986..2044, 2337..2381, 2698..2817		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49264	Strand	+
Start	500	End	2817
Name	OJ990915_07.9C03.C7.o1.gp	Method	AAT/GAP
Start	661	End	2782
GI	11619 1.R1084	Score	730
Exons	661..778, 1444..1494, 1986..2044, 2337..2381, 2516..2590, 2698..2782		
GI Descrip.	'4678934/emb CAB41325.1 2.0e-21 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49264	Strand	+
Start	500	End	2817
Name	OJ990915_07.9C03.C7.o1.gs	Method	GENSCAN
Start	670	End	2814
GI	none	Score	.91
Exons	670..778, 1444..1494, 1986..2044, 2516..2590, 2698..2814		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49265	Strand	+
Start	8137	End	8821
Name	OJ990915_07.9C03.C7.o3.gs	Method	GENSCAN
Start	8137	End	8821
GI	none	Score	.47
Exons	8137..8230, 8643..8821		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49266	Strand	-
Start	3119	End	3744
Name	OJ990915_07.9C03.C7.o2.gp	Method	AAT/GAP
Start	3119	End	3744

GI 8022_1.R1084 Score 1135
 Exons 3119..3744
 GI Descrip. '5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'

Seq. No. 23692 Seq. ID OJ990915_07.9C03.C7
 Gene No. 49267 Strand -
 Start 3767 End 7086
 Name OJ990915_07.9C03.C7.o2.gs Method GENSCAN
 Start 3767 End 7086
 GI none Score .45
 Exons 3767..4471, 4519..4917, 5107..5193, 6590..6699, 7014..7086

Seq. No. 23692 Seq. ID OJ990915_07.9C03.C7
 Gene No. 49267 Strand -
 Start 3767 End 7086
 Name OJ990915_07.9C03.C7.o2.np Method AAT/NAP
 Start 3863 End 4923
 GI 3641838 Score 977
 Exons 3863..4489, 4555..4923
 GI Descrip. (AL023094) putative protein (fragment) [Arabidopsis thaliana]

Seq. No. 23692 Seq. ID OJ990915_07.9C03.C7
 Gene No. 49267 Strand -
 Start 3767 End 7086
 Name OJ990915_07.9C03.C7.o3.gp Method AAT/GAP
 Start 6049 End 6147
 GI LIB3477-003-P1-K1-E9 Score 135
 Exons 6049..6147
 GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No. 23692 Seq. ID OJ990915_07.9C03.C7
 Gene No. 49268 Strand -
 Start 7014 End 7221
 Name OJ990915_07.9C03.C7.o2.tc Method TBLASTX:Cress
 Start 46 End 2044
 GI none Score 72
 Exons 46..99, 493..546, 493..612, 497..583, 663..758, 669..779, 670..780, 1442..1501, 1976..2044

Seq. No. 23692 Seq. ID OJ990915_07.9C03.C7
 Gene No. 49268 Strand -
 Start 7014 End 7221
 Name OJ990915_07.9C03.C7.o4.tm Method TBLASTX:Maize
 Start 521 End 1493
 GI none Score 109
 Exons 521..586, 521..586, 523..612, 663..776, 667..774, 669..779, 670..780, 1442..1492, 1443..1490, 1443..1493

Seq. No. 23692 Seq. ID OJ990915_07.9C03.C7
 Gene No. 49268 Strand -
 Start 7014 End 7221
 Name OJ990915_07.9C03.C7.o3.tm Method TBLASTX:Maize
 Start 2510 End 2898
 GI none Score 110

Exons 2510..2590, 2510..2590, 2511..2591, 2691..2849, 2695..2898, 2695..2853, 2697..2897

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49268	Strand	-
Start	7014	End	7221
Name	OJ990915_07.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	3896	End	4956
GI	none	Score	323
Exons	3896..4297, 3897..4298, 4215..4334, 4298..4474, 4314..4469, 4555..4665, 4648..4956, 4727..4930		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49268	Strand	-
Start	7014	End	7221
Name	OJ990915_07.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	3896	End	4142
GI	none	Score	92
Exons	3896..4141, 3897..4142		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49268	Strand	-
Start	7014	End	7221
Name	OJ990915_07.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	3932	End	4665
GI	none	Score	171
Exons	3932..4471, 3948..4274, 4061..4288, 4317..4469, 4567..4665		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49268	Strand	-
Start	7014	End	7221
Name	OJ990915_07.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	3998	End	4387
GI	none	Score	67
Exons	3998..4387, 4062..4169		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49268	Strand	-
Start	7014	End	7221
Name	OJ990915_07.9C03.C7.o3.tc	Method	TBLASTX:Cress
Start	4409	End	4911
GI	none	Score	137
Exons	4409..4471, 4567..4665, 4726..4911		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49268	Strand	-
Start	7014	End	7221
Name	OJ990915_07.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	4561	End	4929
GI	none	Score	65
Exons	4561..4665, 4651..4929, 4781..4921		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49268	Strand	-
Start	7014	End	7221
Name	OJ990915_07.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	4744	End	7089

GI	none	Score	256
Exons	4744..4962, 4748..4966, 7016..7087, 7018..7089		

Seq. No.	23692	Seq. ID	OJ990915_07.9C03.C7
Gene No.	49268	Strand	-
Start	7014	End	7221
Name	OJ990915_07.9C03.C7.o4.gp	Method	AAT/GAP
Start	7014	End	7221
GI	4714658	Score	388
Exons	7014..7221		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49269	Strand	+
Start	324	End	1612
Name	OJ990915_07.9C03.C10.o1.gs	Method	GENSCAN
Start	324	End	1612
GI	none	Score	.68
Exons	324..482, 652..846, 1559..1612		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49270	Strand	+
Start	4410	End	10929
Name	OJ990915_07.9C03.C10.o2.np	Method	AAT/NAP
Start	3970	End	10908
GI	2935342	Score	1477
Exons	3970..4078, 4547..4666, 4835..5159, 5263..5415, 8229..8480, 8629..8721, 9514..9592, 9690..9818, 10684..10908		
GI Descrip.	(AF044216) steroid 22-alpha-hydroxylase; DWF4; CYP90B1 [Arabidopsis thaliana]		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49270	Strand	+
Start	4410	End	10929
Name	OJ990915_07.9C03.C10.o2.gs	Method	GENSCAN
Start	4410	End	10929
GI	none	Score	.88
Exons	4410..4666, 4835..5159, 5263..5415, 8229..8480, 9514..9592, 9690..9796, 10684..10929		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49270	Strand	+
Start	4410	End	10929
Name	OJ990915_07.9C03.C10.o1.gp	Method	AAT/GAP
Start	9428	End	10828
GI	LIB3432-008-P1-K1-D6	Score	762
Exons	9428..9592, 9690..9796, 10684..10828		
GI Descrip.	'2935342 2.0e-42 (AF044216) steroid 22-alpha-hydroxylase; DWF4; CYP90B1 [Arabidopsis thaliana]'		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49271	Strand	+
Start	14890	End	15654
Name	OJ990915_07.9C03.C10.o3.gs	Method	GENSCAN
Start	14890	End	15654
GI	none	Score	.58
Exons	14890..15023, 15267..15654		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49272	Strand	+
Start	17512	End	19259
Name	OJ990915_07.9C03.C10.o3.np	Method	AAT/NAP
Start	17512	End	19259
GI	6907086	Score	1452
Exons	17512..18234, 18292..18461, 18710..18830, 18955..19259		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49273	Strand	-
Start	1	End	855
Name	OJ990915_07.9C03.C10.o1.np	Method	AAT/NAP
Start	1	End	855
GI	5922623	Score	227
Exons	1..69, 237..389, 771..855		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49274	Strand	
Start	4397	End	4988
Name	OJ990915_07.9C03.C10.o2.tm	Method	TBLASTX:Maize
Start	4397	End	4667
GI	none	Score	140
Exons	4397..4507, 4397..4522, 4419..4514, 4541..4666, 4542..4667		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49274	Strand	
Start	4397	End	4988
Name	OJ990915_07.9C03.C10.o3.tc	Method	TBLASTX:Cress
Start	4542	End	4988
GI	none	Score	145
Exons	4542..4667, 4559..4657, 4832..4987, 4833..4988		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49275	Strand	
Start	4968	End	8492
Name	OJ990915_07.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	4968	End	5408
GI	none	Score	213
Exons	4968..5159, 4973..5029, 5260..5406, 5262..5408		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49275	Strand	
Start	4968	End	8492
Name	OJ990915_07.9C03.C10.o3.tm	Method	TBLASTX:Maize
Start	5254	End	5421
GI	none	Score	262
Exons	5254..5415, 5256..5420, 5257..5421		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49275	Strand	
Start	4968	End	8492
Name	OJ990915_07.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	5298	End	8492

GI	none	Score	176
Exons	5298..5411, 5299..5421, 8223..8315, 8316..8492, 8324..8482		
Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49276	Strand	
Start	9686	End	10905
Name	OJ990915_07.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	9686	End	10905
GI	none	Score	189
Exons	9686..9796, 9686..9796, 9688..9801, 10703..10762, 10723..10905, 10725..10895		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49276	Strand	
Start	9686	End	10905
Name	OJ990915_07.9C03.C10.o2.tc	Method	TBLASTX:Cress
Start	10723	End	10905
GI	none	Score	259
Exons	10723..10905, 10725..10895		

Seq. No.	23693	Seq. ID	OJ990915_07.9C03.C10
Gene No.	49276	Strand	
Start	9686	End	10905
Name	OJ990915_07.9C03.C10.o2.ts	Method	TBLASTX:Soybean
Start	10728	End	10896
GI	none	Score	263
Exons	10728..10895, 10729..10896		

Seq. No.	23694	Seq. ID	OJ990915_07.9C03.C11
Gene No.	49277	Strand	+
Start	700	End	7530
Name	OJ990915_07.9C03.C11.o1.gs	Method	GENSCAN
Start	700	End	7530
GI	none	Score	.46
Exons	700..971, 1054..1102, 1160..1266, 1798..1920, 3450..3510, 3722..3807, 6331..6409, 7359..7530		

Seq. No.	23694	Seq. ID	OJ990915_07.9C03.C11
Gene No.	49277	Strand	+
Start	700	End	7530
Name	OJ990915_07.9C03.C11.o1.gp	Method	AAT/GAP
Start	972	End	3526
GI	2273_1.R1084	Score	3180
Exons	972..1266, 1385..1920, 2733..3526		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	23694	Seq. ID	OJ990915_07.9C03.C11
Gene No.	49277	Strand	+
Start	700	End	7530
Name	OJ990915_07.9C03.C11.o2.gp	Method	AAT/GAP
Start	6007	End	6108
GI	LIB3477-003-P1-K1-E9	Score	147
Exons	6007..6108		
GI Descrip.	'2498586/sp O40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49278	Strand	-
Start	673	End	5536
Name	OJ990915_07.9C03.C12.o1.gs	Method	GENSCAN
Start	673	End	5536
GI	none	Score	.77
Exons	673..783, 1202..1448, 1476..1634, 1721..1891, 1993..2115, 2240..2344, 4527..5079, 5081..5135, 5456..5536		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49278	Strand	-
Start	673	End	5536
Name	OJ990915_07.9C03.C12.o1.np	Method	AAT/NAP
Start	1188	End	5077
GI	3096919	Score	1096
Exons	1188..1411, 1505..1634, 1721..1891, 1993..2132, 2251..2344, 4527..5077		
GI Descrip.	(AL023094) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49279	Strand	-
Start	7562	End	9018
Name	OJ990915_07.9C03.C12.o2.tc	Method	TBLASTX:Cress
Start	1137	End	1622
GI	none	Score	148
Exons	1137..1409, 1205..1414, 1505..1621, 1506..1622		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49279	Strand	-
Start	7562	End	9018
Name	OJ990915_07.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	1205	End	4684
GI	none	Score	128
Exons	1205..1414, 1212..1406, 1500..1631, 1502..1633, 1556..1633, 1714..1890, 1715..1885, 1990..2118, 1992..2117, 2128..2259, 2239..2346, 2249..2347, 4532..4636, 4532..4684		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49279	Strand	-
Start	7562	End	9018
Name	OJ990915_07.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	1245	End	2350
GI	none	Score	94
Exons	1245..1412, 1247..1414, 1500..1634, 1502..1633, 1714..1890, 1715..1882, 1990..2130, 1990..2118, 1992..2123, 2239..2349, 2249..2350		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49279	Strand	-
Start	7562	End	9018
Name	OJ990915_07.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	1529	End	2060
GI	none	Score	52
Exons	1529..1633, 1530..1625, 1714..1890, 1721..1798, 1992..2060		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49279	Strand	-
Start	7562	End	9018
Name	OJ990915_07.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	1714	End	2347
GI	none	Score	130
Exons	1714..1890, 1715..1888, 1990..2130, 1992..2123, 2024..2125, 2239..2346, 2249..2347		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49279	Strand	-
Start	7562	End	9018
Name	OJ990915_07.9C03.C12.o2.ts	Method	TBLASTX:Soybean
Start	4523	End	4741
GI	none	Score	72
Exons	4523..4618, 4526..4741, 4638..4685		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49279	Strand	-
Start	7562	End	9018
Name	OJ990915_07.9C03.C12.o3.tc	Method	TBLASTX:Cress
Start	4526	End	4684
GI	none	Score	59
Exons	4526..4684, 4638..4682		

Seq. No.	23695	Seq. ID	OJ990915_07.9C03.C12
Gene No.	49279	Strand	-
Start	7562	End	9018
Name	OJ990915_07.9C03.C12.o2.gs	Method	GENSCAN
Start	7562	End	9018
GI	none	Score	.64
Exons	7562..7640, 8969..9018		

Seq. No.	23696	Seq. ID	OJ990915_07.9C03.C13
Gene No.	49280	Strand	-
Start	269	End	520
Name	OJ990915_07.9C03.C13.o1.gp	Method	AAT/GAP
Start	269	End	520
GI	uC-osflcyp033a04b1	Score	402
Exons	269..520		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	23697	Seq. ID	OJ990915_07.9C03.C14
Gene No.	49281	Strand	-
Start	1	End	509
Name	OJ990915_07.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	509
GI	4680179	Score	689
Exons	1..509		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23697	Seq. ID	OJ990915_07.9C03.C14
Gene No.	49281	Strand	-
Start	1	End	509
Name	OJ990915_07.9C03.C14.o1.tw	Method	TBLASTX:Wheat
Start	3	End	400

GI	none	Score	109
Exons	3..323, 6..308, 43..327, 317..400		

Seq. No.	23697	Seq. ID	OJ990915_07.9C03.C14
Gene No.	49281	Strand	-
Start	1	End	509
Name	OJ990915_07.9C03.C14.o1.gs	Method	GENSCAN
Start	51	End	332
GI	none	Score	.59
Exons	51..332		

Seq. No.	23697	Seq. ID	OJ990915_07.9C03.C14
Gene No.	49281	Strand	-
Start	1	End	509
Name	OJ990915_07.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	159	End	509
GI	none	Score	80
Exons	159..329, 175..324, 317..502, 318..509		

Seq. No.	23698	Seq. ID	OJ990915_07.9C03.C15
Gene No.	49282	Strand	+
Start	1	End	614
Name	OJ990915_07.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	614
GI	4678934	Score	57
Exons	1..99, 276..396, 587..614		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	23698	Seq. ID	OJ990915_07.9C03.C15
Gene No.	49282	Strand	+
Start	1	End	614
Name	OJ990915_07.9C03.C15.o1.gs	Method	GENSCAN
Start	278	End	357
GI	none	Score	.54
Exons	278..357		

Seq. No.	23699	Seq. ID	OJ990915_07.9C03.C17
Gene No.	49283	Strand	+
Start	395	End	451
Name	OJ990915_07.9C03.C17.o1.gs	Method	GENSCAN
Start	395	End	451
GI	none	Score	.66
Exons	395..451		

Seq. No.	23700	Seq. ID	OJ990825_08.9C03.C2
Gene No.	49284	Strand	-
Start	1	End	2111
Name	OJ990825_08.9C03.C2.o2.np	Method	AAT/NAP
Start	1	End	2111
GI	2943742	Score	654
Exons	1..1231, 1295..2111		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	23700	Seq. ID	OJ990825_08.9C03.C2
Gene No.	49284	Strand	-
Start	1	End	2111
Name	OJ990825_08.9C03.C2.o1.np	Method	AAT/NAP

Start	101	End	1279
GI	2792210	Score	686
Exons	101..1279		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	23700	Seq. ID	OJ990825_08.9C03.C2
Gene No.	49284	Strand	-
Start	1	End	2111
Name	OJ990825_08.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	197	End	628
GI	none	Score	282
Exons	197..238, 266..628		

Seq. No.	23700	Seq. ID	OJ990825_08.9C03.C2
Gene No.	49284	Strand	-
Start	1	End	2111
Name	OJ990825_08.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	206	End	655
GI	none	Score	121
Exons	206..238, 272..325, 366..650, 368..655		

Seq. No.	23700	Seq. ID	OJ990825_08.9C03.C2
Gene No.	49284	Strand	-
Start	1	End	2111
Name	OJ990825_08.9C03.C2.o1.gs	Method	GENSCAN
Start	502	End	2099
GI	none	Score	.54
Exons	502..774, 1102..1509, 1616..2099		

Seq. No.	23700	Seq. ID	OJ990825_08.9C03.C2
Gene No.	49284	Strand	-
Start	1	End	2111
Name	OJ990825_08.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	779	End	1120
GI	none	Score	125
Exons	779..925, 783..926, 965..1111, 1004..1120, 1062..1118		

Seq. No.	23701	Seq. ID	OJ990825_08.9C03.C3
Gene No.	49285	Strand	+
Start	7671	End	8465
Name	OJ990825_08.9C03.C3.o3.np	Method	AAT/NAP
Start	7671	End	8465
GI	6069646	Score	446
Exons	7671..8465		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23701	Seq. ID	OJ990825_08.9C03.C3
Gene No.	49286	Strand	-
Start	1	End	1709
Name	OJ990825_08.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	1709
GI	6907086	Score	1152
Exons	1..254, 378..444, 670..904, 964..1709		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	23701	Seq. ID	OJ990825_08.9C03.C3
Gene No.	49286	Strand	-
Start	1	End	1709
Name	OJ990825_08.9C03.C3.o1.gs	Method	GENSCAN
Start	172	End	401
GI	none	Score	.84
Exons	172..401		

Seq. No.	23701	Seq. ID	OJ990825_08.9C03.C3
Gene No.	49287	Strand	-
Start	4980	End	5177
Name	OJ990825_08.9C03.C3.o1.gp	Method	AAT/GAP
Start	4980	End	5177
GI	5667165	Score	322
Exons	4980..5177		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	23701	Seq. ID	OJ990825_08.9C03.C3
Gene No.	49288	Strand	-
Start	5604	End	7542
Name	OJ990825_08.9C03.C3.o2.np	Method	AAT/NAP
Start	5604	End	7542
GI	4680186	Score	190
Exons	5604..6029, 6568..6628, 7511..7542		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23701	Seq. ID	OJ990825_08.9C03.C3
Gene No.	49289	Strand	-
Start	7890	End	8222
Name	OJ990825_08.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	7890	End	8222
GI	none	Score	260
Exons	7890..8222, 7937..8179		

Seq. No.	23702	Seq. ID	OJ990825_08.9C03.C4
Gene No.	49290	Strand	-
Start	483	End	1613
Name	OJ990825_08.9C03.C4.o1.gs	Method	GENSCAN
Start	483	End	1613
GI	none	Score	.69
Exons	483..1613		

Seq. No.	23702	Seq. ID	OJ990825_08.9C03.C4
Gene No.	49290	Strand	-
Start	483	End	1613
Name	OJ990825_08.9C03.C4.o1.gp	Method	AAT/GAP
Start	907	End	1287
GI	LIB3434-043-P1-K1-D5	Score	477
Exons	907..1287		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	23703	Seq. ID	OJ990825_08.9C03.C5
Gene No.	49291	Strand	+

Start 4749
 Name OJ990825_08.9C03.C5.o2.gs
 Start 4749
 GI none
 Exons 4749..5201

End 5201
 Method GENSCAN
 End 5201
 Score .96

Seq. No. 23703
 Gene No. 49292
 Start 1
 Name OJ990825_08.9C03.C5.o1.gp
 Start 1
 GI 63917_1.R1084
 Exons 1..108
 GI Descrip. '4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'

Seq. ID OJ990825_08.9C03.C5
 Strand -
 End 2625
 Method AAT/GAP
 End 108
 Score 216

Seq. No. 23703
 Gene No. 49292
 Start 1
 Name OJ990825_08.9C03.C5.o2.np
 Start 1
 GI 2943742
 Exons 1..2625
 GI Descrip. (AB002266) XA1 [Oryza sativa]

Seq. ID OJ990825_08.9C03.C5
 Strand -
 End 2625
 Method AAT/NAP
 End 2625
 Score 830

Seq. No. 23703
 Gene No. 49292
 Start 1
 Name OJ990825_08.9C03.C5.o1.np
 Start 676
 GI 2792210
 Exons 676..1860
 GI Descrip. (AF032683) NBS-LRR type resistance protein [Hordeum vulgare]

Seq. ID OJ990825_08.9C03.C5
 Strand -
 End 2625
 Method AAT/NAP
 End 1860
 Score 709

Seq. No. 23703
 Gene No. 49293
 Start 5772
 Name OJ990825_08.9C03.C5.o1.ts
 Start 739
 GI none
 Exons 739..813, 847..1203, 986..1201

Seq. ID OJ990825_08.9C03.C5
 Strand -
 End 6498
 Method TBLASTX:Soybean
 End 1203
 Score 80

Seq. No. 23703
 Gene No. 49293
 Start 5772
 Name OJ990825_08.9C03.C5.o1.tm
 Start 769
 GI none
 Exons 769..813, 847..903, 910..1230, 932..1219

Seq. ID OJ990825_08.9C03.C5
 Strand -
 End 6498
 Method TBLASTX:Maize
 End 1230
 Score 130

Seq. No. 23703
 Gene No. 49293
 Start 5772
 Name OJ990825_08.9C03.C5.o2.tm
 Start 1354
 GI none
 Exons 1354..1512, 1355..1492, 1543..1644, 1544..1642, 1640..1696

Seq. ID OJ990825_08.9C03.C5
 Strand -
 End 6498
 Method TBLASTX:Maize
 End 1696
 Score 89

Seq. No.	23703	Seq. ID	OJ990825_08.9C03.C5
Gene No.	49293	Strand	-
Start	5772	End	6498
Name	OJ990825_08.9C03.C5.o3.gs	Method	GENSCAN
Start	5772	End	6493
GI	none	Score	.53
Exons	5772..5854, 6229..6493		

Seq. No.	23703	Seq. ID	OJ990825_08.9C03.C5
Gene No.	49293	Strand	-
Start	5772	End	6498
Name	OJ990825_08.9C03.C5.o3.np	Method	AAT/NAP
Start	6179	End	6498
GI	2943742	Score	151
Exons	6179..6498		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49294	Strand	+
Start	6150	End	10793
Name	OJ990825_08.9C03.C6.o4.np	Method	AAT/NAP
Start	6150	End	10793
GI	6069646	Score	413
Exons	6150..6186, 9973..10793		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49295	Strand	-
Start	1	End	8732
Name	OJ990825_08.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	4285
GI	6606266	Score	488
Exons	1..51, 620..1665, 1702..2809, 4244..4285		
GI Descrip.	(AF158634) Vrgal [Triticum ventricosum]		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49295	Strand	-
Start	1	End	8732
Name	OJ990825_08.9C03.C6.o3.np	Method	AAT/NAP
Start	1	End	3731
GI	2943742	Score	868
Exons	1..145, 581..2837, 2911..3731		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49295	Strand	-
Start	1	End	8732
Name	OJ990825_08.9C03.C6.o1.gs	Method	GENSCAN
Start	63	End	8732
GI	none	Score	.58
Exons	63..276, 709..3125, 3237..3747, 5366..5497, 5634..5983, 5991..6182, 6188..6310, 7442..7467, 8512..8627, 8649..8732		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49295	Strand	-
Start	1	End	8732
Name	OJ990825_08.9C03.C6.o2.np	Method	AAT/NAP
Start	1705	End	2886
GI	2792210	Score	698
Exons	1705..2886		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49296	Strand	-
Start	10443	End	16561
Name	OJ990825_08.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	1858	End	16067
GI	none	Score	234
Exons	1858..2229, 15603..15677, 15759..16067		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49296	Strand	-
Start	10443	End	16561
Name	OJ990825_08.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	1876	End	16103
GI	none	Score	114
Exons	1876..1926, 1970..2245, 1972..2265, 15633..15677, 15777..16103, 15853..16080		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49296	Strand	-
Start	10443	End	16561
Name	OJ990825_08.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	2383	End	16514
GI	none	Score	103
Exons	2383..2529, 2387..2530, 2569..2670, 2666..2722, 16221..16379, 16225..16368, 16422..16514		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49296	Strand	-
Start	10443	End	16561
Name	OJ990825_08.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	10149	End	12337
GI	none	Score	99
Exons	10149..10313, 10322..10432, 10323..10553, 10599..10685, 11920..12036, 12061..12264, 12062..12268, 12284..12337		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49296	Strand	-
Start	10443	End	16561
Name	OJ990825_08.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	10374	End	12222
GI	none	Score	131
Exons	10374..10511, 10617..10691, 11818..12030, 12085..12222		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49296	Strand	-
Start	10443	End	16561
Name	OJ990825_08.9C03.C6.o2.gs	Method	GENSCAN

Start	10443	End	16464
GI	none	Score	.5
Exons	10443..10660, 11991..12211, 12401..12617, 13190..14149, 15104..16464		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49296	Strand	-
Start	10443	End	16561
Name	OJ990825_08.9C03.C6.o5.np	Method	AAT/NAP
Start	11803	End	16460
GI	6069646	Score	459
Exons	11803..12648, 16431..16460		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49296	Strand	-
Start	10443	End	16561
Name	OJ990825_08.9C03.C6.o6.np	Method	AAT/NAP
Start	14914	End	16561
GI	2943742	Score	692
Exons	14914..16561		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	23704	Seq. ID	OJ990825_08.9C03.C6
Gene No.	49296	Strand	-
Start	10443	End	16561
Name	OJ990825_08.9C03.C6.o7.np	Method	AAT/NAP
Start	15540	End	16561
GI	2792210	Score	560
Exons	15540..16561		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	23705	Seq. ID	OJ990825_08.9C03.C7
Gene No.	49297	Strand	+
Start	2865	End	4607
Name	OJ990825_08.9C03.C7.o2.gs	Method	GENSCAN
Start	2865	End	4607
GI	none	Score	.55
Exons	2865..3082, 3185..3360, 4073..4214, 4345..4411, 4533..4607		

Seq. No.	23705	Seq. ID	OJ990825_08.9C03.C7
Gene No.	49298	Strand	+
Start	5186	End	8304
Name	OJ990825_08.9C03.C7.o3.gs	Method	GENSCAN
Start	5186	End	8128
GI	none	Score	.86
Exons	5186..5395, 5450..5621, 5739..5761, 6297..6705, 6839..6966, 7717..7872, 7991..8128		

Seq. No.	23705	Seq. ID	OJ990825_08.9C03.C7
Gene No.	49298	Strand	+
Start	5186	End	8304
Name	OJ990825_08.9C03.C7.o2.gp	Method	AAT/GAP

Start 5292 End 8304
 GI 956 1.R1084 Score 2280
 Exons 5292..5395, 6297..6705, 6839..6966, 7040..7099, 7447..7596, 7717..7872, 7991..8128, 8216..8304
 GI Descrip. '5815410/gb|AAD52659.1|AF177392_1 0.0e+00 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]'

Seq. No. 23705 Seq. ID OJ990825_08.9C03.C7
 Gene No. 49298 Strand +
 Start 5186 End 8304
 Name OJ990825_08.9C03.C7.o1.np Method AAT/NAP
 Start 6309 End 8304
 GI 6689924 Score 1702
 Exons 6309..6705, 6839..6966, 7040..7099, 7447..7596, 7717..7872, 7991..8128, 8216..8304
 GI Descrip. (AF194415) MAP kinase homolog [Oryza sativa]

Seq. No. 23705 Seq. ID OJ990825_08.9C03.C7
 Gene No. 49299 Strand -
 Start 38 End 564
 Name OJ990825_08.9C03.C7.o1.gs Method GENSCAN
 Start 38 End 564
 GI none Score .9
 Exons 38..564

Seq. No. 23705 Seq. ID OJ990825_08.9C03.C7
 Gene No. 49300 Strand -
 Start 4754 End 4826
 Name OJ990825_08.9C03.C7.o1.gp Method AAT/GAP
 Start 4754 End 4826
 GI LIB3477-003-P1-K1-E9 Score 99
 Exons 4754..4826
 GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No. 23705 Seq. ID OJ990825_08.9C03.C7
 Gene No. 49301 Strand
 Start 6263 End 8303
 Name OJ990825_08.9C03.C7.o1.ts Method TBLASTX:Soybean
 Start 6263 End 7093
 GI none Score 564
 Exons 6263..6361, 6294..6725, 6306..6713, 6770..6964, 6826..6966, 6826..6963, 6828..6968, 7031..7093, 7032..7082, 7039..7092

Seq. No. 23705 Seq. ID OJ990825_08.9C03.C7
 Gene No. 49301 Strand
 Start 6263 End 8303
 Name OJ990825_08.9C03.C7.o1.tc Method TBLASTX:Cress
 Start 6297 End 6956
 GI none Score 516
 Exons 6297..6713, 6354..6710, 6401..6712, 6776..6943, 6799..6948, 6826..6954, 6828..6956

Seq. No. 23705 Seq. ID OJ990825_08.9C03.C7
 Gene No. 49301 Strand

Start	6263	End	8303
Name	OJ990825_08.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	6322	End	8303
GI	none	Score	570
Exons	6322..6702, 6324..6713, 6324..6725, 6826..6966, 6837..6968, 7031..7099, 7031..7108, 7038..7112, 7039..7116, 7444..7599, 7446..7592, 7714..7854, 7715..7846, 7717..7902, 7988..8131, 7989..8141, 7989..8126, 7990..8127, 8202..8264, 8210..8296, 8213..8263, 8265..8303		

Seq. No.	23705	Seq. ID	OJ990825_08.9C03.C7
Gene No.	49301	Strand	
Start	6263	End	8303
Name	OJ990825_08.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	6363	End	6933
GI	none	Score	296
Exons	6363..6713, 6363..6725, 6826..6933, 6837..6926		

Seq. No.	23705	Seq. ID	OJ990825_08.9C03.C7
Gene No.	49301	Strand	
Start	6263	End	8303
Name	OJ990825_08.9C03.C7.o2.tc	Method	TBLASTX:Cress
Start	7031	End	7871
GI	none	Score	108
Exons	7031..7096, 7039..7116, 7446..7595, 7447..7599, 7449..7595, 7714..7854, 7716..7871		

Seq. No.	23705	Seq. ID	OJ990825_08.9C03.C7
Gene No.	49301	Strand	
Start	6263	End	8303
Name	OJ990825_08.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	7444	End	8269
GI	none	Score	245
Exons	7444..7599, 7444..7602, 7446..7607, 7714..7854, 7719..7871, 7988..8131, 7990..8127, 8210..8269		

Seq. No.	23705	Seq. ID	OJ990825_08.9C03.C7
Gene No.	49301	Strand	
Start	6263	End	8303
Name	OJ990825_08.9C03.C7.o3.tc	Method	TBLASTX:Cress
Start	7990	End	8260
GI	none	Score	190
Exons	7990..8118, 7991..8131, 7997..8131, 8210..8260		

Seq. No.	23706	Seq. ID	OJ990825_08.9C03.C9
Gene No.	49302	Strand	+
Start	1	End	314
Name	OJ990825_08.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	314
GI	3779026	Score	141
Exons	1..314		
GI Descrip.	(AC005171) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	23706	Seq. ID	OJ990825_08.9C03.C9
Gene No.	49302	Strand	+
Start	1	End	314

Name	OJ990825_08.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	91	End	314
GI	none	Score	160
Exons	91..312, 101..313, 237..314		
Seq. No.	23707	Seq. ID	OJ990825_08.9C03.C11
Gene No.	49303	Strand	+
Start	167	End	922
Name	OJ990825_08.9C03.C11.o1.gs	Method	GENSCAN
Start	167	End	922
GI	none	Score	.53
Exons	167..922		
Seq. No.	23708	Seq. ID	OJ990825_08.9C03.C12
Gene No.	49304	Strand	+
Start	1	End	1513
Name	OJ990825_08.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	1513
GI	6957704	Score	258
Exons	1..107, 350..416, 568..711, 1426..1513		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23708	Seq. ID	OJ990825_08.9C03.C12
Gene No.	49304	Strand	+
Start	1	End	1513
Name	OJ990825_08.9C03.C12.o1.gs	Method	GENSCAN
Start	351	End	832
GI	none	Score	.56
Exons	351..416, 568..711, 826..832		
Seq. No.	23708	Seq. ID	OJ990825_08.9C03.C12
Gene No.	49304	Strand	+
Start	1	End	1513
Name	OJ990825_08.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	352	End	1476
GI	none	Score	110
Exons	352..414, 352..414, 354..416, 363..422, 544..699, 548..709, 565..711, 1423..1476, 1424..1474		
Seq. No.	23709	Seq. ID	OJ990825_08.9C03.C13
Gene No.	49305	Strand	+
Start	244	End	403
Name	OJ990825_08.9C03.C13.o1.gs	Method	GENSCAN
Start	244	End	403
GI	none	Score	.9
Exons	244..354, 368..403		
Seq. No.	23709	Seq. ID	OJ990825_08.9C03.C13
Gene No.	49306	Strand	-
Start	1	End	717
Name	OJ990825_08.9C03.C13.o1.gp	Method	AAT/GAP
Start	1	End	717
GI	956_1.R1084	Score	990
Exons	1..474, 661..717		
GI Descrip.	'5815410/gb AAD52659.1 AF177392_1 0.0e+00 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]'		

Seq. No.	23709	Seq. ID	OJ990825_08.9C03.C13
Gene No.	49306	Strand	-
Start	1	End	717
Name	OJ990825_08.9C03.C13.ol.np	Method	AAT/NAP
Start	403	End	717
GI	5815410	Score	184
Exons	403..474, 661..717		
GI Descrip.	(AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]		

Seq. No.	23710	Seq. ID	OJ990825_08.9C03.C15
Gene No.	49307	Strand	+
Start	265	End	3544
Name	OJ990825_08.9C03.C15.ol.gs	Method	GENSCAN
Start	265	End	3544
GI	none	Score	.79
Exons	265..336, 428..539, 614..697, 1097..1123, 1820..1935, 2355..2375, 3351..3544		

Seq. No.	23711	Seq. ID	OJ990825_08.9C03.C16
Gene No.	49308	Strand	-
Start	1	End	955
Name	OJ990825_08.9C03.C16.ol.np	Method	AAT/NAP
Start	1	End	778
GI	6180043	Score	89
Exons	1..20, 385..463, 713..778		
GI Descrip.	(AF192490) cyclophilin [Arabidopsis thaliana]		

Seq. No.	23711	Seq. ID	OJ990825_08.9C03.C16
Gene No.	49308	Strand	-
Start	1	End	955
Name	OJ990825_08.9C03.C16.ol.gp	Method	AAT/GAP
Start	379	End	955
GI	265_2.R1084	Score	603
Exons	379..463, 713..955		
GI Descrip.	'3420055 1.0e-79 (AC004680) cyclophilin [Arabidopsis thaliana]'		

Seq. No.	23711	Seq. ID	OJ990825_08.9C03.C16
Gene No.	49308	Strand	-
Start	1	End	955
Name	OJ990825_08.9C03.C16.ol.gs	Method	GENSCAN
Start	385	End	778
GI	none	Score	.96
Exons	385..463, 713..778		

Seq. No.	23712	Seq. ID	OJ990825_08.9C03.C17
Gene No.	49309	Strand	-
Start	360	End	2222
Name	OJ990825_08.9C03.C17.ol.gp	Method	AAT/GAP
Start	133	End	422
GI	5004640	Score	536
Exons	133..422		

Seq. No.	23712	Seq. ID	OJ990825_08.9C03.C17
Gene No.	49309	Strand	-
Start	360	End	2222

Name	OJ990825_08.9C03.C17.o1.gs	Method	GENSCAN
Start	360	End	2222
GI	none	Score	.94
Exons	360..495, 627..702, 817..999, 1501..1524, 1618..1689, 1861..1939, 2142..2222		

Seq. No.	23712	Seq. ID	OJ990825_08.9C03.C17
Gene No.	49309	Strand	-
Start	360	End	2222
Name	OJ990825_08.9C03.C17.o1.np	Method	AAT/NAP
Start	360	End	1995
GI	2443755	Score	526
Exons	360..495, 627..702, 817..999, 1501..1524, 1618..1665, 1861..1995		
GI Descrip.	(AF020433) cyclophilin [Arabidopsis thaliana]		

Seq. No.	23712	Seq. ID	OJ990825_08.9C03.C17
Gene No.	49310	Strand	-
Start	3853	End	3278
Name	OJ990825_08.9C03.C17.o1.tw	Method	TBLASTX:Wheat
Start	342	End	1900
GI	none	Score	88
Exons	342..524, 373..495, 638..703, 641..703, 809..1003, 816..971, 1499..1525, 1622..1666, 1847..1900		

Seq. No.	23712	Seq. ID	OJ990825_08.9C03.C17
Gene No.	49310	Strand	-
Start	2853	End	3278
Name	OJ990825_08.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	351	End	1666
GI	none	Score	81
Exons	351..524, 367..516, 638..703, 639..704, 809..1003, 810..971, 1499..1528, 1619..1666		

Seq. No.	23712	Seq. ID	OJ990825_08.9C03.C17
Gene No.	49310	Strand	-
Start	2853	End	3278
Name	OJ990825_08.9C03.C17.o1.ts	Method	TBLASTX:Soybean
Start	357	End	1936
GI	none	Score	73
Exons	357..524, 421..516, 635..709, 639..713, 809..1003, 816..971, 824..997, 1499..1528, 1619..1666, 1847..1936		

Seq. No.	23712	Seq. ID	OJ990825_08.9C03.C17
Gene No.	49310	Strand	-
Start	2853	End	3278
Name	OJ990825_08.9C03.C17.o1.tc	Method	TBLASTX:Cress
Start	360	End	1900
GI	none	Score	80
Exons	360..524, 421..516, 635..709, 636..713, 809..1003, 816..971, 1499..1528, 1619..1666, 1847..1900		

Seq. No.	23712	Seq. ID	OJ990825_08.9C03.C17
Gene No.	49310	Strand	-
Start	2853	End	3278
Name	OJ990825_08.9C03.C17.o2.gp	Method	AAT/GAP
Start	2853	End	3278
GI	15354_2.R1084	Score	804

Exons 2853..3278
 GI Descrip. '2865175/dbj|BAA24803| 1.0e-40 (AB010945) AtRer1A [Arabidopsis thaliana] >gi_4914434_emb_CAB43637.1_ (AL050351) AtRer1A [Arabidopsis thaliana]'

Seq. No. 23713 Seq. ID OJ990825_08.9C03.C18
 Gene No. 49311 Strand -
 Start 116 End 1859
 Name OJ990825_08.9C03.C18.o1.np Method AAT/NAP
 Start 116 End 1709
 GI 6225938 Score 636
 Exons 116..154, 401..580, 1358..1709
 GI Descrip. RER1A PROTEIN (ATRER1A) gi|2865175|dbj|BAA24803| (AB010945) AtRer1A [Arabidopsis thaliana] gi|4914434|emb|CAB43637.1| (AL050351) AtRer1A [Arabidopsis thaliana]

Seq. No. 23713 Seq. ID OJ990825_08.9C03.C18
 Gene No. 49311 Strand -
 Start 116 End 1859
 Name OJ990825_08.9C03.C18.o1.gp Method AAT/GAP
 Start 401 End 1497
 GI LIB3434-023-P1-K1-C4 Score 562
 Exons 401..580, 1358..1497
 GI Descrip. '2865175/dbj|BAA24803| 3.0e-48 (AB010945) AtRer1A [Arabidopsis thaliana] >gi_4914434_emb_CAB43637.1_ (AL050351) AtRer1A [Arabidopsis thaliana]'

Seq. No. 23713 Seq. ID OJ990825_08.9C03.C18
 Gene No. 49311 Strand -
 Start 116 End 1859
 Name OJ990825_08.9C03.C18.o1.tc Method TBLASTX:Cress
 Start 401 End 1712
 GI none Score 49
 Exons 401..436, 402..437, 428..592, 434..580, 436..591, 1348..1431, 1355..1417, 1435..1593, 1599..1712

Seq. No. 23713 Seq. ID OJ990825_08.9C03.C18
 Gene No. 49311 Strand -
 Start 116 End 1859
 Name OJ990825_08.9C03.C18.o1.tm Method TBLASTX:Maize
 Start 401 End 591
 GI none Score 70
 Exons 401..436, 402..437, 436..585, 439..591

Seq. No. 23713 Seq. ID OJ990825_08.9C03.C18
 Gene No. 49311 Strand -
 Start 116 End 1859
 Name OJ990825_08.9C03.C18.o1.ts Method TBLASTX:Soybean
 Start 401 End 1664
 GI none Score 48
 Exons 401..436, 402..434, 404..580, 428..592, 436..591, 1351..1428, 1355..1405, 1417..1593, 1602..1664

Seq. No. 23713 Seq. ID OJ990825_08.9C03.C18
 Gene No. 49311 Strand -
 Start 116 End 1859
 Name OJ990825_08.9C03.C18.o2.gp Method AAT/GAP

Start	842	End	1859
GI	15354_1.R1084	Score	909
Exons	842..865, 1349..1859		
GI Descrip.	'2865177/dbj BAA24804 1.0e-46 (AB010946) AtRer1B [Arabidopsis thaliana]'		

Seq. No.	23713	Seq. ID	OJ990825_08.9C03.C18
Gene No.	49311	Strand	-
Start	116	End	1859
Name	OJ990825_08.9C03.C18.o1.gs	Method	GENSCAN
Start	1306	End	1789
GI	none	Score	.7
Exons	1306..1789		

Seq. No.	23713	Seq. ID	OJ990825_08.9C03.C18
Gene No.	49311	Strand	-
Start	116	End	1859
Name	OJ990825_08.9C03.C18.o2.tm	Method	TBLASTX:Maize
Start	1348	End	1692
GI	none	Score	100
Exons	1348..1443, 1349..1417, 1444..1596, 1534..1596, 1593..1661, 1594..1692		

Seq. No.	23714	Seq. ID	OJ990825_08.9C03.C19
Gene No.	49312	Strand	-
Start	1	End	78
Name	OJ990825_08.9C03.C19.o1.gp	Method	AAT/GAP
Start	1	End	78
GI	38782_1.R1084	Score	125
Exons	1..78		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49313	Strand	+
Start	1001	End	3721
Name	OJ990825_08.9C03.C20.o1.np	Method	AAT/NAP
Start	1001	End	3721
GI	4102839	Score	1218
Exons	1001..1054, 1785..1875, 1990..2207, 2296..2856, 2938..3721		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49314	Strand	+
Start	4661	End	5565
Name	OJ990825_08.9C03.C20.o2.np	Method	AAT/NAP
Start	4661	End	5565
GI	4538901	Score	550
Exons	4661..5565		
GI Descrip.	(AL049482) RNA-directed DNA polymerase-like protein [Arabidopsis thaliana]		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49315	Strand	-
Start	3586	End	4050
Name	OJ990825_08.9C03.C20.o1.tc	Method	TBLASTX:Cress
Start	1767	End	3715

GI	none	Score	104
Exons	1767..1862, 1772..1885, 1974..2180, 1988..2179, 2440..2628, 2441..2857, 2965..3291, 2990..3292, 3383..3715, 3388..3705		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49315	Strand	-
Start	3586	End	4050
Name	OJ990825_08.9C03.C20.o1.ts	Method	TBLASTX:Soybean
Start	1773	End	3703
GI	none	Score	96
Exons	1773..1862, 2010..2198, 2420..2875, 2989..3291, 2990..3292, 3382..3630, 3398..3703		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49315	Strand	-
Start	3586	End	4050
Name	OJ990825_08.9C03.C20.o4.tw	Method	TBLASTX:Wheat
Start	1773	End	2132
GI	none	Score	142
Exons	1773..1868, 1774..1872, 1778..1885, 1973..2128, 1974..2132		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49315	Strand	-
Start	3586	End	4050
Name	OJ990825_08.9C03.C20.o2.tm	Method	TBLASTX:Maize
Start	1787	End	2218
GI	none	Score	99
Exons	1787..1882, 1788..1862, 1973..2218, 1974..2186		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49315	Strand	-
Start	3586	End	4050
Name	OJ990825_08.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	2320	End	3723
GI	none	Score	68
Exons	2320..2439, 2394..2438, 2440..2505, 2441..2542, 2569..2628, 2570..2854, 2989..3291, 2990..3292, 3382..3723, 3383..3721		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49315	Strand	-
Start	3586	End	4050
Name	OJ990825_08.9C03.C20.o3.tw	Method	TBLASTX:Wheat
Start	3383	End	3748
GI	none	Score	311
Exons	3383..3748, 3385..3642		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49315	Strand	-
Start	3586	End	4050
Name	OJ990825_08.9C03.C20.o1.gp	Method	AAT/GAP
Start	3586	End	4050
GI	uC-osflcyp160a06a1	Score	846
Exons	3586..4050		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-29 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
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Gene No.	49316	Strand	
Start	4637	End	5483
Name	OJ990825_08.9C03.C20.o1.tw	Method	TBLASTX:Wheat
Start	4637	End	4960
GI	none	Score	158
Exons	4637..4798, 4705..4794, 4786..4959, 4793..4960		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49316	Strand	
Start	4637	End	5483
Name	OJ990825_08.9C03.C20.o3.tm	Method	TBLASTX:Maize
Start	4682	End	5459
GI	none	Score	187
Exons	4682..4999, 5027..5149, 5250..5459		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49316	Strand	
Start	4637	End	5483
Name	OJ990825_08.9C03.C20.o2.ts	Method	TBLASTX:Soybean
Start	4724	End	5011
GI	none	Score	195
Exons	4724..5011		

Seq. No.	23715	Seq. ID	OJ990825_08.9C03.C20
Gene No.	49316	Strand	
Start	4637	End	5483
Name	OJ990825_08.9C03.C20.o2.tw	Method	TBLASTX:Wheat
Start	5157	End	5483
GI	none	Score	320
Exons	5157..5483, 5159..5461		

Seq. No.	23716	Seq. ID	OJ990825_08.9C03.C21
Gene No.	49317	Strand	+
Start	1	End	2160
Name	OJ990825_08.9C03.C21.o1.np	Method	AAT/NAP
Start	1	End	2160
GI	4926870	Score	661
Exons	1..1283, 2106..2160		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	23716	Seq. ID	OJ990825_08.9C03.C21
Gene No.	49317	Strand	+
Start	1	End	2160
Name	OJ990825_08.9C03.C21.o2.np	Method	AAT/NAP
Start	1302	End	2160
GI	5922623	Score	230
Exons	1302..1386, 1762..1914, 2082..2160		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	23716	Seq. ID	OJ990825_08.9C03.C21
Gene No.	49318	Strand	-
Start	921	End	1827
Name	OJ990825_08.9C03.C21.o1.tw	Method	TBLASTX:Wheat
Start	79	End	484

GI	none	Score	375
Exons	79..435, 80..436, 434..484		
Seq. No.	23716	Seq. ID	OJ990825_08.9C03.C21
Gene No.	49318	Strand	-
Start	921	End	1827
Name	OJ990825_08.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	265	End	628
GI	none	Score	225
Exons	265..453, 275..628, 502..627		
Seq. No.	23716	Seq. ID	OJ990825_08.9C03.C21
Gene No.	49318	Strand	-
Start	921	End	1827
Name	OJ990825_08.9C03.C21.o1.gs	Method	GENSCAN
Start	921	End	1827
GI	none	Score	.74
Exons	921..986, 1335..1505, 1741..1827		
Seq. No.	23716	Seq. ID	OJ990825_08.9C03.C21
Gene No.	49318	Strand	-
Start	921	End	1827
Name	OJ990825_08.9C03.C21.o2.tw	Method	TBLASTX:Wheat
Start	1073	End	1279
GI	none	Score	179
Exons	1073..1279		
Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49319	Strand	+
Start	1522	End	4702
Name	OJ990825_08.9C03.C22.o1.gs	Method	GENSCAN
Start	1522	End	4702
GI	none	Score	.45
Exons	1522..1603, 1766..1848, 1988..2087, 2199..2416, 2511..3826, 4354..4702		
Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49319	Strand	+
Start	1522	End	4702
Name	OJ990825_08.9C03.C22.o1.np	Method	AAT/NAP
Start	1943	End	3848
GI	4102839	Score	1345
Exons	1943..2087, 2199..2497, 2559..3848		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		
Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o1.tc	Method	TBLASTX:Cress
Start	1979	End	8479
GI	none	Score	113
Exons	1979..2089, 1984..2094, 2189..2389, 2197..2388, 2562..3089, 2597..2815, 3075..3410, 3107..3472, 3507..3845, 3515..3853, 5964..6092, 5974..6093, 6180..6374, 6182..6358, 6900..7370, 6923..7240, 7340..7372, 7745..8041, 7746..8054, 8139..8474, 8147..8479		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o1.ts	Method	TBLASTX:Soybean
Start	1985	End	8471
GI	none	Score	96
Exons	1985..2086, 2189..2407, 2586..3080, 3107..3172, 3108..3410, 3230..3421, 3507..3809, 6001..6087, 6189..6392, 6894..7370, 6938..7060, 7115..7231, 7742..7804, 7743..8120, 7862..8041, 8123..8389, 8124..8471		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o1.tw	Method	TBLASTX:Wheat
Start	1985	End	6326
GI	none	Score	159
Exons	1985..2089, 1990..2094, 2191..2337, 2192..2341, 2197..2337, 5985..6092, 5987..6085, 5995..6090, 6180..6326, 6182..6322		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o2.tm	Method	TBLASTX:Maize
Start	1999	End	6410
GI	none	Score	108
Exons	1999..2094, 2000..2089, 2192..2395, 2197..2445, 5985..6092, 6001..6090, 6180..6410, 6182..6406		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o1.tm	Method	TBLASTX:Maize
Start	2582	End	8495
GI	none	Score	143
Exons	2582..2704, 2592..2729, 2690..2758, 2700..2762, 2761..2826, 2766..3092, 2771..2815, 3069..3476, 3107..3475, 3506..3850, 3507..3851, 6911..7054, 6918..7055, 7092..7370, 7094..7234, 7740..8120, 7742..8041, 8138..8494, 8139..8495		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o2.tw	Method	TBLASTX:Wheat
Start	3510	End	8474
GI	none	Score	301
Exons	3510..3860, 3518..3841, 8142..8474, 8150..8473		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o2.gs	Method	GENSCAN
Start	5829	End	12165
GI	none	Score	.66
Exons	5829..5879, 5983..6058, 6184..6401, 6825..7094, 7107..7369, 7688..8458, 8928..9126, 9404..9549, 10054..10291, 11633..12165		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o2.np	Method	AAT/NAP
Start	5923	End	8483
GI	1172704	Score	1261
Exons	5923..6088, 6184..6374, 6789..7369, 7688..8483		
GI Descrip.	PEPTIDE TRANSPORTER PTR2-B (HISTIDINE TRANSPORTING PROTEIN) gi 633940 (L39082) transport protein [Arabidopsis thaliana] gi 4406786 gb AAD20096.1 (AC006532) histidine transport protein (PTR2-B) [Arabidopsis thaliana]		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o3.np	Method	AAT/NAP
Start	7557	End	10501
GI	4680186	Score	195
Exons	7557..7576, 8935..9100, 10395..10501		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o1.gp	Method	AAT/GAP
Start	7910	End	8535
GI	12563_2.R1084	Score	824
Exons	7910..8535		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o4.np	Method	AAT/NAP
Start	10901	End	12185
GI	6069653	Score	196
Exons	10901..11045, 11113..11438, 11650..11748, 11864..12185		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	23717	Seq. ID	OJ990825_08.9C03.C22
Gene No.	49320	Strand	+
Start	5829	End	12185
Name	OJ990825_08.9C03.C22.o5.np	Method	AAT/NAP
Start	11003	End	12185
GI	6907086	Score	411
Exons	11003..11784, 11843..12022, 12091..12185		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23718	Seq. ID	OJ990825_08.9C03.C23
Gene No.	49321	Strand	+
Start	272	End	687
Name	OJ990825_08.9C03.C23.o1.gs	Method	GENSCAN
Start	272	End	687
GI	none	Score	.59
Exons	272..322, 577..687		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49322	Strand	+
Start	180	End	3074
Name	OJ990825_08.9C03.C24.o1.gp	Method	AAT/GAP
Start	180	End	1605
GI	uC-osrocyp012b11b1	Score	918
Exons	180..300, 505..604, 834..1051, 1552..1605		
GI Descrip.	'4102839 8.0e-32 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49322	Strand	+
Start	180	End	3074
Name	OJ990825_08.9C03.C24.o1.gs	Method	GENSCAN
Start	244	End	2910
GI	none	Score	.98
Exons	244..300, 505..604, 834..1051, 1552..1838, 1920..2090, 2181..2910		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49322	Strand	+
Start	180	End	3074
Name	OJ990825_08.9C03.C24.o1.np	Method	AAT/NAP
Start	462	End	2984
GI	4102839	Score	1320
Exons	462..604, 834..1051, 1552..2090, 2181..2984		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49322	Strand	+
Start	180	End	3074
Name	OJ990825_08.9C03.C24.o2.gp	Method	AAT/GAP
Start	1833	End	2383
GI	LIB3432-028-P1-K1-G9	Score	877
Exons	1833..2090, 2181..2383		
GI Descrip.	'4322327/gb AAD16016 1.0e-33 (AF080545) peptide transporter [Nepenthes alata]'		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49322	Strand	+
Start	180	End	3074
Name	OJ990825_08.9C03.C24.o3.gp	Method	AAT/GAP
Start	2409	End	3074
GI	12563_2.R1084	Score	1245
Exons	2409..3074		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49323	Strand	+
Start	3428	End	3716
Name	OJ990825_08.9C03.C24.o2.gs	Method	GENSCAN
Start	3428	End	3716
GI	none	Score	.69
Exons	3428..3508, 3516..3716		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49324	Strand	+

Start	4022	End	4127
Name	OJ990825_08.9C03.C24.o4.gp	Method	AAT/GAP
Start	4022	End	4127
GI	5816518	Score	155
Exons	4022..4127		
GI Descrip.	4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49325	Strand	+
Start	5489	End	5767
Name	OJ990825_08.9C03.C24.o3.gs	Method	GENSCAN
Start	5489	End	5767
GI	none	Score	.58
Exons	5489..5543, 5664..5767		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49326	Strand	-
Start	1772	End	7396
Name	OJ990825_08.9C03.C24.o1.tc	Method	TBLASTX:Cress
Start	496	End	2989
GI	none	Score	107
Exons	496..612, 501..608, 830..1024, 832..1023, 1608..1862, 1609..2085, 1917..1961, 2212..2535, 2244..2309, 2361..2555, 2634..2669, 2638..2892, 2721..2918, 2883..2981, 2897..2989		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49326	Strand	-
Start	1772	End	7396
Name	OJ990825_08.9C03.C24.o2.tw	Method	TBLASTX:Wheat
Start	502	End	976
GI	none	Score	144
Exons	502..612, 507..608, 518..622, 830..976, 832..972		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49326	Strand	-
Start	1772	End	7396
Name	OJ990825_08.9C03.C24.o2.tm	Method	TBLASTX:Maize
Start	516	End	1056
GI	none	Score	95
Exons	516..608, 517..615, 799..1056, 830..1030		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49326	Strand	-
Start	1772	End	7396
Name	OJ990825_08.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	830	End	2826
GI	none	Score	132
Exons	830..1042, 877..1041, 1618..2079, 1647..1862, 2197..2391, 2275..2406, 2394..2555, 2404..2532, 2638..2826		

Seq. No.	23719	Seq. ID	OJ990825_08.9C03.C24
Gene No.	49326	Strand	-
Start	1772	End	7396
Name	OJ990825_08.9C03.C24.o1.tm	Method	TBLASTX:Maize
Start	1629	End	2987
GI	none	Score	151

Exons 1629..1751, 1639..1776, 1743..1808, 1813..2091, 1815..1862,
2206..2535, 2244..2309, 2361..2555, 2634..2891, 2638..2892,
2883..2987, 2897..2986

Seq. No. 23719 Seq. ID OJ990825_08.9C03.C24
Gene No. 49326 Strand -
Start 1772 End 7396
Name OJ990825_08.9C03.C24.o2.np Method AAT/NAP
Start 1772 End 7396
GI 5091513 Score 481
Exons 1772..1944, 5541..5740, 6536..7396
GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No. 23719 Seq. ID OJ990825_08.9C03.C24
Gene No. 49326 Strand -
Start 1772 End 7396
Name OJ990825_08.9C03.C24.o1.tw Method TBLASTX:Wheat
Start 2647 End 2954
GI none Score 257
Exons 2647..2892, 2650..2727, 2655..2954

Seq. No. 23720 Seq. ID OJ990825_08.9C03.C25
Gene No. 49327 Strand -
Start 1 End 10473
Name OJ990825_08.9C03.C25.o1.np Method AAT/NAP
Start 1 End 8275
GI 5091513 Score 843
Exons 1..501, 1269..1506, 8161..8275
GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No. 23720 Seq. ID OJ990825_08.9C03.C25
Gene No. 49327 Strand -
Start 1 End 10473
Name OJ990825_08.9C03.C25.o1.gs Method GENSCAN
Start 30 End 10473
GI none Score .5
Exons 30..528, 2436..2654, 2681..2747, 3356..3513, 3640..3666,
4931..5314, 5618..6312, 6994..7206, 9244..9928, 10234..10473

Seq. No. 23720 Seq. ID OJ990825_08.9C03.C25
Gene No. 49327 Strand -
Start 1 End 10473
Name OJ990825_08.9C03.C25.o1.tm Method TBLASTX:Maize
Start 4958 End 6199
GI none Score 170
Exons 4958..5326, 5178..5327, 5618..5821, 5619..5807, 5843..6043,
5859..6083, 6030..6146, 6050..6199

Seq. No. 23720 Seq. ID OJ990825_08.9C03.C25
Gene No. 49327 Strand -
Start 1 End 10473
Name OJ990825_08.9C03.C25.o1.tc Method TBLASTX:Cress
Start 4979 End 10369
GI none Score 54
Exons 4979..5326, 4992..5147, 5184..5339, 5618..5827, 5619..5810,
5840..6040, 5859..6041, 6042..6161, 6059..6151, 9248..9307,
9359..9442, 9587..9649, 10289..10369, 10297..10356

Seq. No.	23720	Seq. ID	OJ990825_08.9C03.C25
Gene No.	49327	Strand	-
Start	1	End	10473
Name	OJ990825_08.9C03.C25.o1.ts	Method	TBLASTX:Soybean
Start	5150	End	6229
GI	none	Score	104
Exons	5150..5326, 5202..5327, 5618..5809, 5622..5810, 5840..5986, 5859..5993, 6059..6151, 6060..6125, 6161..6229		

Seq. No.	23720	Seq. ID	OJ990825_08.9C03.C25
Gene No.	49327	Strand	-
Start	1	End	10473
Name	OJ990825_08.9C03.C25.o1.tw	Method	TBLASTX:Wheat
Start	5768	End	6136
GI	none	Score	130
Exons	5768..5833, 5843..6043, 5853..6044, 6059..6136		

Seq. No.	23720	Seq. ID	OJ990825_08.9C03.C25
Gene No.	49327	Strand	-
Start	1	End	10473
Name	OJ990825_08.9C03.C25.o3.np	Method	AAT/NAP
Start	6856	End	10455
GI	4826399	Score	220
Exons	6856..6884, 7093..7206, 9244..9837, 10190..10455		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	23720	Seq. ID	OJ990825_08.9C03.C25
Gene No.	49327	Strand	-
Start	1	End	10473
Name	OJ990825_08.9C03.C25.o2.np	Method	AAT/NAP
Start	9015	End	10440
GI	5852084	Score	97
Exons	9015..9096, 10244..10334, 10371..10440		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49328	Strand	+
Start	1	End	2127
Name	OJ990825_08.9C03.C26.o1.gp	Method	AAT/GAP
Start	1	End	867
GI	101595_1.R1084	Score	1403
Exons	1..677, 793..867		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49328	Strand	+
Start	1	End	2127
Name	OJ990825_08.9C03.C26.o1.np	Method	AAT/NAP
Start	1	End	2127
GI	6630696	Score	3695
Exons	1..2127		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49328	Strand	+
Start	1	End	2127
Name	OJ990825_08.9C03.C26.o1.gs	Method	GENSCAN
Start	82	End	941
GI	none	Score	.48
Exons	82..682, 793..941		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49329	Strand	-
Start	1211	End	2115
Name	OJ990825_08.9C03.C26.o3.tm	Method	TBLASTX:Maize
Start	1	End	285
GI	none	Score	288
Exons	1..285, 24..206, 77..220, 106..282		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49329	Strand	-
Start	1211	End	2115
Name	OJ990825_08.9C03.C26.o2.tw	Method	TBLASTX:Wheat
Start	4	End	226
GI	none	Score	286
Exons	4..225, 15..206, 44..226		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49329	Strand	-
Start	1211	End	2115
Name	OJ990825_08.9C03.C26.o1.tm	Method	TBLASTX:Maize
Start	808	End	1082
GI	none	Score	391
Exons	808..1080, 809..1081, 810..1082, 810..1082		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49329	Strand	-
Start	1211	End	2115
Name	OJ990825_08.9C03.C26.o2.ts	Method	TBLASTX:Soybean
Start	1126	End	1506
GI	none	Score	80
Exons	1126..1275, 1258..1506		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49329	Strand	-
Start	1211	End	2115
Name	OJ990825_08.9C03.C26.o2.gs	Method	GENSCAN
Start	1211	End	1342
GI	none	Score	.94
Exons	1211..1342		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49329	Strand	-
Start	1211	End	2115
Name	OJ990825_08.9C03.C26.o2.tm	Method	TBLASTX:Maize
Start	1264	End	1728
GI	none	Score	311
Exons	1264..1728		

Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
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Gene No.	49329	Strand	-
Start	1211	End	2115
Name	OJ990825_08.9C03.C26.o3.tw	Method	TBLASTX:Wheat
Start	1371	End	1571
GI	none	Score	278
Exons	1371..1571, 1372..1569, 1374..1571		
Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49329	Strand	-
Start	1211	End	2115
Name	OJ990825_08.9C03.C26.o1.ts	Method	TBLASTX:Soybean
Start	1516	End	1914
GI	none	Score	201
Exons	1516..1737, 1599..1733, 1741..1914		
Seq. No.	23721	Seq. ID	OJ990825_08.9C03.C26
Gene No.	49329	Strand	-
Start	1211	End	2115
Name	OJ990825_08.9C03.C26.o1.tw	Method	TBLASTX:Wheat
Start	1572	End	2115
GI	none	Score	275
Exons	1572..1979, 1579..2115, 1582..1767, 1593..2069		
Seq. No.	23722	Seq. ID	OJ990825_08.9C03.C27
Gene No.	49330	Strand	+
Start	294	End	593
Name	OJ990825_08.9C03.C27.o1.gs	Method	GENSCAN
Start	294	End	593
GI	none	Score	.9
Exons	294..593		
Seq. No.	23723	Seq. ID	OJ990825_08.9C03.C28
Gene No.	49331	Strand	+
Start	1	End	911
Name	OJ990825_08.9C03.C28.o1.np	Method	AAT/NAP
Start	1	End	867
GI	421955	Score	786
Exons	1..867		
GI Descrip.	hypothetical protein 4 - potato transposon Tst1 gi 21434 emb CAA36616 (X52387) ORF4 [Solanum tuberosum]		
Seq. No.	23723	Seq. ID	OJ990825_08.9C03.C28
Gene No.	49331	Strand	+
Start	1	End	911
Name	OJ990825_08.9C03.C28.o1.tw	Method	TBLASTX:Wheat
Start	38	End	449
GI	none	Score	125
Exons	38..205, 39..206, 216..449, 233..346		
Seq. No.	23723	Seq. ID	OJ990825_08.9C03.C28
Gene No.	49331	Strand	+
Start	1	End	911
Name	OJ990825_08.9C03.C28.o1.gs	Method	GENSCAN
Start	107	End	846
GI	none	Score	.44
Exons	107..235, 401..846		

Seq. No.	23723	Seq. ID	OJ990825_08.9C03.C28
Gene No.	49331	Strand	+
Start	1	End	911
Name	OJ990825_08.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	219	End	881
GI	none	Score	328
Exons	219..611, 242..430, 473..574, 647..826, 651..881		

Seq. No.	23723	Seq. ID	OJ990825_08.9C03.C28
Gene No.	49331	Strand	+
Start	1	End	911
Name	OJ990825_08.9C03.C28.o1.tc	Method	TBLASTX:Cress
Start	228	End	883
GI	none	Score	112
Exons	228..401, 429..500, 501..608, 657..878, 665..883		

Seq. No.	23723	Seq. ID	OJ990825_08.9C03.C28
Gene No.	49331	Strand	+
Start	1	End	911
Name	OJ990825_08.9C03.C28.o1.ts	Method	TBLASTX:Soybean
Start	237	End	911
GI	none	Score	622
Exons	237..911, 239..580, 662..757, 854..910		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49332	Strand	+
Start	1	End	1994
Name	OJ990825_08.9C03.C29.o1.np	Method	AAT/NAP
Start	1	End	1994
GI	2943742	Score	209
Exons	1..24, 700..832, 1274..1478, 1689..1994		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49332	Strand	+
Start	1	End	1994
Name	OJ990825_08.9C03.C29.o1.gs	Method	GENSCAN
Start	967	End	1994
GI	none	Score	.53
Exons	967..1233, 1755..1994		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49333	Strand	+
Start	6461	End	7877
Name	OJ990825_08.9C03.C29.o1.gp	Method	AAT/GAP
Start	6383	End	6890
GI	none	Score	950
Exons	6383..6890		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49333	Strand	+
Start	6461	End	7877
Name	OJ990825_08.9C03.C29.o2.gs	Method	GENSCAN
Start	6461	End	7877
GI	none	Score	.86
Exons	6461..6629, 6646..6718, 6762..6977, 7046..7877		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49334	Strand	+
Start	8728	End	14556
Name	OJ990825_08.9C03.C29.o3.gs	Method	GENSCAN
Start	8728	End	14556
GI	none	Score	.78
Exons	8728..9140, 11466..11511, 12167..12243, 12634..12717, 12766..12829, 12996..13185, 13307..14556		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49334	Strand	+
Start	8728	End	14556
Name	OJ990825_08.9C03.C29.o2.np	Method	AAT/NAP
Start	13416	End	14548
GI	6056194	Score	466
Exons	13416..14548		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49335	Strand	-
Start	7666	End	8220
Name	OJ990825_08.9C03.C29.o2.gp	Method	AAT/GAP
Start	7666	End	8220
GI	none	Score	997
Exons	7666..8220		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49336	Strand	-
Start	12534	End	13196
Name	OJ990825_08.9C03.C29.o3.gp	Method	AAT/GAP
Start	12534	End	13196
GI	4714647	Score	1151
Exons	12534..13196		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49337	Strand	-
Start	15399	End	16122
Name	OJ990825_08.9C03.C29.o4.gp	Method	AAT/GAP
Start	15399	End	16122
GI	23698_1.R1084	Score	1382
Exons	15399..16122		
GI Descrip.	'3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49338	Strand	-
Start	17803	End	19678
Name	OJ990825_08.9C03.C29.o1.tm	Method	TBLASTX:Maize
Start	13080	End	14490
GI	none	Score	71
Exons	13080..13169, 13410..13583, 13411..13596, 13626..13793, 13627..14022, 13714..13833, 13821..13946, 14068..14487, 14080..14490		

Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49338	Strand	-
Start	17803	End	19678

Name	OJ990825_08.9C03.C29.o1.tc	Method	TBLASTX:Cress
Start	13438	End	13989
GI	none	Score	51
Exons	13438..13536, 13630..13989, 13644..13736, 13785..13877		
Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49338	Strand	-
Start	17803	End	19678
Name	OJ990825_08.9C03.C29.o1.ts	Method	TBLASTX:Soybean
Start	13633	End	14286
GI	none	Score	258
Exons	13633..13989, 14038..14286, 14124..14285		
Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49338	Strand	-
Start	17803	End	19678
Name	OJ990825_08.9C03.C29.o1.tw	Method	TBLASTX:Wheat
Start	14095	End	14360
GI	none	Score	379
Exons	14095..14358, 14127..14360, 14128..14358, 14232..14360		
Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49338	Strand	-
Start	17803	End	19678
Name	OJ990825_08.9C03.C29.o2.tc	Method	TBLASTX:Cress
Start	14143	End	14541
GI	none	Score	109
Exons	14143..14286, 14145..14291, 14287..14541, 14344..14541		
Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49338	Strand	-
Start	17803	End	19678
Name	OJ990825_08.9C03.C29.o4.gs	Method	GENSCAN
Start	17803	End	19678
GI	none	Score	.76
Exons	17803..17859, 18886..18972, 19061..19169, 19671..19678		
Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49338	Strand	-
Start	17803	End	19678
Name	OJ990825_08.9C03.C29.o3.np	Method	AAT/NAP
Start	18850	End	19678
GI	3337367	Score	151
Exons	18850..18972, 19061..19262, 19634..19678		
GI Descrip.	(AC004481) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49338	Strand	-
Start	17803	End	19678
Name	OJ990825_08.9C03.C29.o3.tc	Method	TBLASTX:Cress
Start	18856	End	19181
GI	none	Score	58
Exons	18856..18975, 18886..18969, 19061..19180, 19064..19177, 19101..19181		
Seq. No.	23724	Seq. ID	OJ990825_08.9C03.C29
Gene No.	49338	Strand	-

Start	17803	End	19678
Name	OJ990825_08.9C03.C29.o2.ts	Method	TBLASTX:Soybean
Start	18895	End	19181
GI	none	Score	60
Exons	18895..18975, 18896..18973, 19061..19177, 19061..19180, 19065..19181		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49339	Strand	+
Start	1	End	11110
Name	OJ990825_08.9C03.C30.o4.np	Method	AAT/NAP
Start	1	End	11110
GI	4680183	Score	201
Exons	1..43, 10340..10410, 11019..11110		
GI Descrip.	(AF111709) gag-pol protein [<i>Oryza sativa</i> subsp. <i>indica</i>]		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49339	Strand	+
Start	1	End	11110
Name	OJ990825_08.9C03.C30.o2.np	Method	AAT/NAP
Start	4173	End	6589
GI	6735317	Score	525
Exons	4173..4188, 5368..5451, 5497..6589		
GI Descrip.	(AL137080) putative protein [<i>Arabidopsis thaliana</i>]		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49339	Strand	+
Start	1	End	11110
Name	OJ990825_08.9C03.C30.o2.gp	Method	AAT/GAP
Start	4673	End	5513
GI	uC-osflcyp158d12b1	Score	656
Exons	4673..4820, 5150..5206, 5339..5513		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 <i>Oryza sativa</i> subsp. <i>indica</i> Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49339	Strand	+
Start	1	End	11110
Name	OJ990825_08.9C03.C30.o2.gs	Method	GENSCAN
Start	4685	End	7741
GI	none	Score	.92
Exons	4685..4820, 5150..5206, 5339..6539, 6877..7092, 7291..7741		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49339	Strand	+
Start	1	End	11110
Name	OJ990825_08.9C03.C30.o3.np	Method	AAT/NAP
Start	5436	End	7735
GI	1946363	Score	301
Exons	5436..5508, 6099..6209, 7389..7735		
GI Descrip.	(U93215) putative glycine-rich protein [<i>Arabidopsis thaliana</i>]		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49340	Strand	+
Start	11474	End	11546
Name	OJ990825_08.9C03.C30.o3.gp	Method	AAT/GAP

Start	11474	End	11546
GI	1631463	Score	81
Exons	11474..11546		
GI Descrip.	4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49341	Strand	-
Start	1	End	1939
Name	OJ990825_08.9C03.C30.o1.gp	Method	AAT/GAP
Start	1	End	131
GI	5038932	Score	253
Exons	1..131		
GI Descrip.	3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49341	Strand	-
Start	1	End	1939
Name	OJ990825_08.9C03.C30.o1.np	Method	AAT/NAP
Start	1	End	1939
GI	6692734	Score	775
Exons	1..138, 241..297, 536..622, 754..1305, 1706..1939		
GI Descrip.	(AC012679) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o1.ts	Method	TBLASTX:Soybean
Start	9	End	1888
GI	none	Score	104
Exons	9..140, 538..627, 816..1151, 1135..1305, 1139..1309, 1703..1888		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o3.tm	Method	TBLASTX:Maize
Start	12	End	1333
GI	none	Score	42
Exons	12..140, 538..627, 816..1151, 991..1131, 1129..1305, 1135..1305, 1139..1333		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o2.tw	Method	TBLASTX:Wheat
Start	825	End	1131
GI	none	Score	55
Exons	825..1130, 925..1131		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o2.tc	Method	TBLASTX:Cress
Start	858	End	1181

GI	none	Score	68
Exons	858..1178, 859..1017, 936..1181		
Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o4.tc	Method	TBLASTX:Cress
Start	1183	End	1885
GI	none	Score	127
Exons	1183..1305, 1187..1303, 1703..1885, 1707..1877		
Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o4.tm	Method	TBLASTX:Maize
Start	1706	End	1882
GI	none	Score	124
Exons	1706..1882, 1713..1877		
Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o1.tc	Method	TBLASTX:Cress
Start	5386	End	5973
GI	none	Score	58
Exons	5386..5463, 5533..5598, 5629..5973, 5664..5972		
Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o1.tm	Method	TBLASTX:Maize
Start	5620	End	6099
GI	none	Score	415
Exons	5620..6099, 5694..5969, 5908..5991		
Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o2.ts	Method	TBLASTX:Soybean
Start	5629	End	6279
GI	none	Score	302
Exons	5629..6045, 5664..5972, 6178..6279		
Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o2.tm	Method	TBLASTX:Maize
Start	6169	End	6540
GI	none	Score	326
Exons	6169..6540, 6180..6479		
Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o3.tc	Method	TBLASTX:Cress
Start	6175	End	6525
GI	none	Score	91

Exons 6175..6279, 6307..6525

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o1.tw	Method	TBLASTX:Wheat
Start	6240	End	6540
GI	none	Score	260
Exons	6240..6479, 6241..6540		

Seq. No.	23725	Seq. ID	OJ990825_08.9C03.C30
Gene No.	49342	Strand	-
Start	9161	End	10988
Name	OJ990825_08.9C03.C30.o3.gs	Method	GENSCAN
Start	9161	End	10988
GI	none	Score	.44
Exons	9161..9313, 9718..9849, 10122..10240, 10898..10988		

Seq. No.	23726	Seq. ID	OJ990825_08.9C03.C31
Gene No.	49343	Strand	+
Start	1	End	1679
Name	OJ990825_08.9C03.C31.o2.np	Method	AAT/NAP
Start	1	End	1679
GI	6069659	Score	87
Exons	1..38, 1490..1679		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	23726	Seq. ID	OJ990825_08.9C03.C31
Gene No.	49343	Strand	+
Start	1	End	1679
Name	OJ990825_08.9C03.C31.o1.np	Method	AAT/NAP
Start	795	End	1679
GI	6907088	Score	530
Exons	795..932, 1108..1345, 1657..1679		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23727	Seq. ID	OJ990825_08.9C03.C32
Gene No.	49344	Strand	-
Start	1348	End	1799
Name	OJ990825_08.9C03.C32.o1.tm	Method	TBLASTX:Maize
Start	1151	End	1474
GI	none	Score	41
Exons	1151..1195, 1153..1176, 1234..1338, 1241..1345, 1242..1334, 1249..1335, 1383..1472, 1384..1473, 1385..1474		

Seq. No.	23727	Seq. ID	OJ990825_08.9C03.C32
Gene No.	49344	Strand	-
Start	1348	End	1799
Name	OJ990825_08.9C03.C32.o1.np	Method	AAT/NAP
Start	1348	End	1799
GI	6630696	Score	716
Exons	1348..1799		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	23727	Seq. ID	OJ990825_08.9C03.C32
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Gene No.	49344	Strand	-
Start	1348	End	1799
Name	OJ990825_08.9C03.C32.o1.tw	Method	TBLASTX:Wheat
Start	1484	End	1799
GI	none	Score	132
Exons	1484..1582, 1486..1581, 1580..1798, 1583..1798, 1584..1799		
Seq. No.	23728	Seq. ID	OJ990825_08.9C03.C33
Gene No.	49345	Strand	-
Start	1	End	138
Name	OJ990825_08.9C03.C33.o1.np	Method	AAT/NAP
Start	1	End	138
GI	6539553	Score	113
Exons	1..138		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	23729	Seq. ID	OJ991114_34.0128.C1
Gene No.	49346	Strand	+
Start	303	End	540
Name	OJ991114_34.0128.C1.o1.np	Method	AAT/NAP
Start	303	End	540
GI	2498930	Score	46
Exons	303..540		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	23729	Seq. ID	OJ991114_34.0128.C1
Gene No.	49346	Strand	+
Start	303	End	540
Name	OJ991114_34.0128.C1.o1.gs	Method	GENSCAN
Start	307	End	366
GI	none	Score	.95
Exons	307..366		
Seq. No.	23730	Seq. ID	OJ991114_34.0128.C3
Gene No.	49347	Strand	+
Start	4841	End	11106
Name	OJ991114_34.0128.C3.o1.tm	Method	TBLASTX:Maize
Start	2070	End	2249
GI	none	Score	167
Exons	2070..2246, 2076..2249		
Seq. No.	23730	Seq. ID	OJ991114_34.0128.C3
Gene No.	49347	Strand	+
Start	4841	End	11106
Name	OJ991114_34.0128.C3.o2.gs	Method	GENSCAN
Start	4841	End	11106
GI	none	Score	.42
Exons	4841..4952, 7254..7385, 8559..8972, 9135..9350, 9654..10249, 10933..11106		
Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49348	Strand	+
Start	6105	End	6546

Name	OJ991114_34.0128.C4.o1.gp	Method	AAT/GAP
Start	6105	End	6546
GI	62045_1.R1084	Score	765
Exons	6105..6546		
GI Descrip.	'2407276/gb AF017361.1 AF017361 4.0e-97 Oryza sativa lipid transfer protein LPT IV mRNA, complete cds'		

Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49349	Strand	-
Start	2044	End	6436
Name	OJ991114_34.0128.C4.o2.gs	Method	GENSCAN
Start	2044	End	6436
GI	none	Score	.82
Exons	2044..2179, 2744..2898, 3225..3348, 3446..3626, 4240..4381, 5469..5574, 6093..6436		

Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49349	Strand	-
Start	2044	End	6436
Name	OJ991114_34.0128.C4.o1.np	Method	AAT/NAP
Start	6086	End	6436
GI	2506826	Score	529
Exons	6086..6436		
GI Descrip.	NONSPECIFIC LIPID-TRANSFER PROTEIN 1 PRECURSOR (LTP 1) (PAPI) gi 1619604 emb CAA69949.1 (Y08691) lipid transfer protein [Oryza sativa] gi 1667590 (U77295) lipid transfer protein [Oryza sativa]		

Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	6092	End	6361
GI	none	Score	149
Exons	6092..6361, 6093..6269		

Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o3.ts	Method	TBLASTX:Soybean
Start	6092	End	6325
GI	none	Score	143
Exons	6092..6325, 6093..6269		

Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	6095	End	6361
GI	none	Score	68
Exons	6095..6361, 6129..6269		

Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o3.tc	Method	TBLASTX:Cress
Start	6095	End	6361

GI	none	Score	70
Exons	6095..6283, 6278..6361		
Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o3.gs	Method	GENSCAN
Start	6788	End	13469
GI	none	Score	.83
Exons	6788..6865, 8825..8989, 11835..13469		
Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o2.np	Method	AAT/NAP
Start	11859	End	13490
GI	6016698	Score	1392
Exons	11859..13490		
GI Descrip.	(AC009991) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o2.ts	Method	TBLASTX:Soybean
Start	11958	End	12237
GI	none	Score	206
Exons	11958..12236, 11965..12237		
Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o1.tc	Method	TBLASTX:Cress
Start	12105	End	12582
GI	none	Score	137
Exons	12105..12296, 12109..12297, 12454..12582, 12465..12581		
Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o3.tm	Method	TBLASTX:Maize
Start	12172	End	12441
GI	none	Score	180
Exons	12172..12441, 12174..12434		
Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o4.ts	Method	TBLASTX:Soybean
Start	12634	End	12867
GI	none	Score	82
Exons	12634..12741, 12636..12740, 12747..12866, 12784..12867		
Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	12876	End	13439

GI	none	Score	122
Exons	12876..13037, 12895..13092, 13030..13182, 13098..13181, 13215..13265, 13263..13439, 13264..13392		

Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o2.tm	Method	TBLASTX:Maize
Start	13137	End	13445
GI	none	Score	62
Exons	13137..13223, 13138..13224, 13215..13445, 13234..13392		

Seq. No.	23731	Seq. ID	OJ991114_34.0128.C4
Gene No.	49350	Strand	-
Start	6788	End	13490
Name	OJ991114_34.0128.C4.o2.tc	Method	TBLASTX:Cress
Start	13233	End	13421
GI	none	Score	124
Exons	13233..13421, 13237..13392		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49351	Strand	+
Start	9654	End	19619
Name	OJ991114_34.0128.C5.o3.gs	Method	GENSCAN
Start	9654	End	19087
GI	none	Score	.52
Exons	9654..9679, 10308..10464, 11608..11830, 11887..11969, 12118..12213, 14309..16672, 18947..19087		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49351	Strand	+
Start	9654	End	19619
Name	OJ991114_34.0128.C5.o4.np	Method	AAT/NAP
Start	12211	End	19619
GI	2943742	Score	1135
Exons	12211..12293, 14746..16912, 16958..17020, 17216..17387, 17769..18179, 18363..18553, 19571..19619		

GI Descrip. (AB002266) XA1 [Oryza sativa]

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49351	Strand	+
Start	9654	End	19619
Name	OJ991114_34.0128.C5.o2.np	Method	AAT/NAP
Start	12724	End	15933
GI	6539588	Score	177
Exons	12724..12750, 13467..13726, 15865..15933		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49351	Strand	+
Start	9654	End	19619
Name	OJ991114_34.0128.C5.o3.np	Method	AAT/NAP
Start	14892	End	18722
GI	2943742	Score	1124
Exons	14892..16912, 16958..17020, 17216..17387, 17769..18179, 18363..18722		

GI Descrip. (AB002266) XA1 [Oryza sativa]

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49351	Strand	+
Start	9654	End	19619
Name	OJ991114_34.0128.C5.o3.gp	Method	AAT/GAP
Start	18137	End	18649
GI	uC-osflcyp073a11b1	Score	720
Exons	18137..18226, 18317..18649		
GI Descrip.	'2943742/dbj BAA25068 1.0e-09 (AB002266) XA1 [Oryza sativa]'		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49352	Strand	+
Start	20731	End	27011
Name	OJ991114_34.0128.C5.o4.gs	Method	GENSCAN
Start	20731	End	27011
GI	none	Score	.83
Exons	20731..20744, 20823..20907, 24083..24221, 24348..24458, 24708..25496, 25666..25790, 25857..26045, 26115..26173, 26348..26465, 26481..27011		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49352	Strand	+
Start	20731	End	27011
Name	OJ991114_34.0128.C5.o5.np	Method	AAT/NAP
Start	25293	End	27008
GI	6721561	Score	1118
Exons	25293..25345, 25841..26045, 26115..26173, 26255..27008		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49353	Strand	+
Start	37109	End	37380
Name	OJ991114_34.0128.C5.o5.gp	Method	AAT/GAP
Start	37109	End	37380
GI	61605_1.R1084	Score	395
Exons	37109..37380		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49354	Strand	-
Start	8616	End	8782
Name	OJ991114_34.0128.C5.o1.np	Method	AAT/NAP
Start	8616	End	8782
GI	3130064	Score	105
Exons	8616..8782		
GI Descrip.	(AJ006055) glutathione reductase [Zea mays]		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49355	Strand	-
Start	11069	End	11358
Name	OJ991114_34.0128.C5.o1.gp	Method	AAT/GAP
Start	11069	End	11358

GI	none	Score	555
Exons	11069..11358		
Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49356	Strand	-
Start	17825	End	18061
Name	OJ991114_34.0128.C5.o2.gp	Method	AAT/GAP
Start	17825	End	18061
GI	LIB3431-050-P1-K1-D2	Score	440
Exons	17825..18061		
GI Descrip.	'6015437/dbj AB008112.1 AB008112 8.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49357	Strand	-
Start	18892	End	19364
Name	OJ991114_34.0128.C5.o4.gp	Method	AAT/GAP
Start	18892	End	19364
GI	none	Score	857
Exons	18892..19364		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49358	Strand	-
Start	27221	End	36510
Name	OJ991114_34.0128.C5.o5.gs	Method	GENSCAN
Start	27221	End	36510
GI	none	Score	.5
Exons	27221..27478, 27550..27924, 28284..28469, 28571..28861, 28970..29092, 29129..31657, 31745..32326, 32423..32996, 33432..33791, 33840..34059, 34376..34794, 34839..34912, 35393..35476, 36430..36510		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49358	Strand	-
Start	27221	End	36510
Name	OJ991114_34.0128.C5.o6.np	Method	AAT/NAP
Start	28529	End	31648
GI	5902445	Score	2925
Exons	28529..29776, 29816..31648		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49358	Strand	-
Start	27221	End	36510
Name	OJ991114_34.0128.C5.o7.np	Method	AAT/NAP
Start	31715	End	35641
GI	5902444	Score	969
Exons	31715..33377, 33549..33702, 35605..35641		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49359	Strand	-
Start	39588	End	40723
Name	OJ991114_34.0128.C5.o6.gp	Method	AAT/GAP
Start	39248	End	40723
GI	17595_1.R1084	Score	1520
Exons	39248..39793, 40480..40723		

GI Descrip. '2493318/sp|Q41001|BCP_PEA 4.0e-19 BLUE COPPER PROTEIN PRECURSOR
>gi_562779_emb_CAA80963 (Z25471) blue copper protein [Pisum
sativum] >gi_1098264_prf_2115352A blue Cu protein [Pisum
sativum]'

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49359	Strand	-
Start	39588	End	40723
Name	OJ991114_34.0128.C5.o8.np	Method	AAT/NAP
Start	39573	End	40579
GI	2493319	Score	158
Exons	39573..39793, 40480..40579		
GI Descrip.	MAVICYANIN gi 1836088 bbs 179249 mavicyanin=12.752 kda small blue copper-containing stellacyanin-like glycoprotein/type I cupredoxin [Cucurbita pepo=green zucchini, peelings, Peptide, 108 aa]		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49359	Strand	-
Start	39588	End	40723
Name	OJ991114_34.0128.C5.o6.gs	Method	GENSCAN
Start	39588	End	40648
GI	none	Score	.88
Exons	39588..39793, 40492..40648		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o4.tm	Method	TBLASTX:Maize
Start	15334	End	15889
GI	none	Score	243
Exons	15334..15396, 15347..15793, 15496..15786, 15806..15889		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	15511	End	16654
GI	none	Score	225
Exons	15511..15813, 15512..15790, 15797..15904, 15875..15976, 16304..16423, 16451..16654		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o3.tw	Method	TBLASTX:Wheat
Start	28538	End	29146
GI	none	Score	66
Exons	28538..28669, 28539..28664, 28694..29146, 28890..28997, 29043..29132		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o6.tm	Method	TBLASTX:Maize
Start	28574	End	28840
GI	none	Score	51

Exons 28574..28657, 28608..28667, 28658..28840, 28659..28766

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	29121	End	29497
GI	none	Score	45
Exons	29121..29225, 29123..29236, 29234..29497, 29235..29390		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o5.tw	Method	TBLASTX:Wheat
Start	29168	End	29522
GI	none	Score	151
Exons	29168..29521, 29178..29420, 29481..29522		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o8.tw	Method	TBLASTX:Wheat
Start	29798	End	30155
GI	none	Score	95
Exons	29798..30154, 29865..30155		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o4.ts	Method	TBLASTX:Soybean
Start	30059	End	30442
GI	none	Score	84
Exons	30059..30307, 30317..30442		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o6.tw	Method	TBLASTX:Wheat
Start	30158	End	30566
GI	none	Score	46
Exons	30158..30223, 30158..30331, 30339..30566, 30341..30565		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	30665	End	31054
GI	none	Score	81
Exons	30665..31012, 30897..31013, 31016..31054		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o2.tw	Method	TBLASTX:Wheat
Start	30711	End	31132
GI	none	Score	225
Exons	30711..31013, 30713..31012, 30743..31015, 31013..31132,		

31017..31085

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	30809	End	31189
GI	none	Score	108
Exons	30809..31012, 30810..31013, 31013..31189		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	31217	End	31573
GI	none	Score	236
Exons	31217..31573, 31218..31511		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	31247	End	31703
GI	none	Score	406
Exons	31247..31702, 31248..31703		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o5.ts	Method	TBLASTX:Soybean
Start	31298	End	31663
GI	none	Score	104
Exons	31298..31432, 31439..31663		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o4.tw	Method	TBLASTX:Wheat
Start	31895	End	32342
GI	none	Score	103
Exons	31895..32131, 31910..32119, 32013..32129, 32168..32341, 32169..32342		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o7.tw	Method	TBLASTX:Wheat
Start	32981	End	33373
GI	none	Score	70
Exons	32981..33256, 33096..33242, 33212..33328, 33225..33302, 33329..33373		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o9.np	Method	AAT/NAP
Start	42464	End	44019

GI 6714272 Score 192
 Exons 42464..42507, 43708..44019
 GI Descrip. (AC017118) F6N18.8 [Arabidopsis thaliana]

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o7.gs	Method	GENSCAN
Start	43381	End	43949
GI	none	Score	.66
Exons	43381..43488, 43803..43949		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	43710	End	43955
GI	none	Score	190
Exons	43710..43772, 43800..43955		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o3.ts	Method	TBLASTX:Soybean
Start	43710	End	43955
GI	none	Score	58
Exons	43710..43772, 43714..43776, 43803..43955, 43804..43890		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o5.tm	Method	TBLASTX:Maize
Start	43710	End	43958
GI	none	Score	57
Exons	43710..43787, 43714..43776, 43782..43958, 43810..43881, 43899..43952		

Seq. No.	23732	Seq. ID	OJ991114_34.0128.C5
Gene No.	49360	Strand	-
Start	43381	End	44019
Name	OJ991114_34.0128.C5.o9.tw	Method	TBLASTX:Wheat
Start	43818	End	43955
GI	none	Score	64
Exons	43818..43955, 43824..43952		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
Gene No.	49361	Strand	+
Start	324	End	1121
Name	OJ991114_34.0128.C6.o1.gp	Method	AAT/GAP
Start	324	End	866
GI	none	Score	767
Exons	324..681, 775..866		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
Gene No.	49361	Strand	+
Start	324	End	1121
Name	OJ991114_34.0128.C6.o1.gs	Method	GENSCAN

Start 368
GI none
Exons 368..444, 1079..1121

End 1121
Score .49

Seq. No. 23733 Seq. ID OJ991114_34.0128.C6
Gene No. 49362 Strand +
Start 2377 End 11637
Name OJ991114_34.0128.C6.o2.gs Method GENSCAN
Start 2377 End 11637
GI none Score .4
Exons 2377..2435, 3892..4002, 5215..5551, 5774..5858, 6980..7097,
8710..8839, 9533..9886, 10048..10276, 10404..10551,
10907..11127, 11166..11276, 11492..11637

Seq. No. 23733 Seq. ID OJ991114_34.0128.C6
Gene No. 49362 Strand +
Start 2377 End 11637
Name OJ991114_34.0128.C6.o2.gp Method AAT/GAP
Start 5112 End 6004
GI 101153_1.R1084 Score 1009
Exons 5112..5456, 5774..6004
GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa
indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 23733 Seq. ID OJ991114_34.0128.C6
Gene No. 49362 Strand +
Start 2377 End 11637
Name OJ991114_34.0128.C6.o3.gp Method AAT/GAP
Start 6020 End 6447
GI 2428185 Score 845
Exons 6020..6447
GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa
indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No. 23733 Seq. ID OJ991114_34.0128.C6
Gene No. 49362 Strand +
Start 2377 End 11637
Name OJ991114_34.0128.C6.o5.gp Method AAT/GAP
Start 6972 End 7279
GI 61605_3.R1084 Score 437
Exons 6972..7279
GI Descrip. '1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis
thaliana]'

Seq. No. 23733 Seq. ID OJ991114_34.0128.C6
Gene No. 49363 Strand +
Start 16326 End 20336
Name OJ991114_34.0128.C6.o1.np Method AAT/NAP
Start 16326 End 20336
GI 4680203 Score 1239
Exons 16326..16360, 17586..19234, 20316..20336
GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No. 23733 Seq. ID OJ991114_34.0128.C6
Gene No. 49363 Strand +
Start 16326 End 20336
Name OJ991114_34.0128.C6.o5.gs Method GENSCAN

Start	17463	End	19667
GI	none	Score	.49
Exons	17463..17475, 17577..18238, 18428..18593, 18729..19178, 19494..19667		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
Gene No.	49364	Strand	-
Start	13381	End	13980
Name	OJ991114_34.0128.C6.o3.gs	Method	GENSCAN
Start	13381	End	13980
GI	none	Score	.83
Exons	13381..13980		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
Gene No.	49365	Strand	
Start	17957	End	19069
Name	OJ991114_34.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	17957	End	18484
GI	none	Score	216
Exons	17957..18319, 18025..18351, 18365..18484, 18382..18471		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
Gene No.	49365	Strand	
Start	17957	End	19069
Name	OJ991114_34.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	18215	End	18631
GI	none	Score	101
Exons	18215..18319, 18220..18342, 18362..18631, 18376..18630		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
Gene No.	49365	Strand	
Start	17957	End	19069
Name	OJ991114_34.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	18362	End	18712
GI	none	Score	339
Exons	18362..18712, 18370..18432, 18469..18711		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
Gene No.	49365	Strand	
Start	17957	End	19069
Name	OJ991114_34.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	18500	End	18961
GI	none	Score	58
Exons	18500..18556, 18508..18564, 18544..18651, 18554..18658, 18665..18760, 18665..18760, 18667..18762, 18804..18908, 18809..18961, 18859..18960		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
Gene No.	49365	Strand	
Start	17957	End	19069
Name	OJ991114_34.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	18551	End	19000
GI	none	Score	227
Exons	18551..18682, 18556..18783, 18557..18799, 18778..18984, 18809..19000		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
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Gene No.	49365	Strand	
Start	17957	End	19069
Name	OJ991114_34.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	18835	End	19069
GI	none	Score	224
Exons	18835..18996, 18836..19069, 18860..19060		

Seq. No.	23733	Seq. ID	OJ991114_34.0128.C6
Gene No.	49366	Strand	
Start	19160	End	19375
Name	OJ991114_34.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	19160	End	19375
GI	none	Score	192
Exons	19160..19360, 19186..19374, 19196..19375		

Seq. No.	23734	Seq. ID	OJ991114_34.0128.C7
Gene No.	49367	Strand	+
Start	649	End	3748
Name	OJ991114_34.0128.C7.o1.gs	Method	GENSCAN
Start	649	End	3748
GI	none	Score	.56
Exons	649..1112, 1774..2321, 2400..2958, 3443..3546, 3632..3748		

Seq. No.	23734	Seq. ID	OJ991114_34.0128.C7
Gene No.	49367	Strand	+
Start	649	End	3748
Name	OJ991114_34.0128.C7.o1.np	Method	AAT/NAP
Start	772	End	3623
GI	4680204	Score	103
Exons	772..1055, 2226..2327, 3597..3623		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49368	Strand	+
Start	1982	End	7165
Name	OJ991114_37.0128.C1.o1.np	Method	AAT/NAP
Start	1982	End	7165
GI	3256068	Score	492
Exons	1982..2169, 2470..2652, 3884..4436, 6727..6838, 7148..7165		
GI Descrip.	(Y14068) Heat Shock Factor 3 [Arabidopsis thaliana]		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49368	Strand	+
Start	1982	End	7165
Name	OJ991114_37.0128.C1.o1.gs	Method	GENSCAN
Start	2329	End	4780
GI	none	Score	.55
Exons	2329..2652, 3884..4780		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49369	Strand	-
Start	5843	End	7778
Name	OJ991114_37.0128.C1.o2.gs	Method	GENSCAN
Start	5843	End	7778
GI	none	Score	.62
Exons	5843..5949, 6032..6134, 6281..6405, 6797..6990, 7359..7474, 7515..7586, 7599..7778		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o3.tm	Method	TBLASTX:Maize
Start	2216	End	4122
GI	none	Score	35
Exons	2216..2272, 2274..2303, 2283..2306, 2321..2359, 2323..2358, 2454..2594, 2455..2595, 2593..2652, 2623..2652, 3877..4122, 3884..4120, 3907..4122		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o2.tw	Method	TBLASTX:Wheat
Start	2463	End	3958
GI	none	Score	136
Exons	2463..2594, 2476..2595, 2593..2652, 3884..3958		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o2.ts	Method	TBLASTX:Soybean
Start	2469	End	4276
GI	none	Score	112
Exons	2469..2570, 2470..2583, 2593..2652, 3881..3961, 3884..3979, 4037..4273, 4070..4276		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o2.tc	Method	TBLASTX:Cress
Start	2475	End	4276
GI	none	Score	140
Exons	2475..2594, 2476..2595, 2593..2652, 2618..2656, 3877..3978, 3884..3979, 4063..4155, 4070..4276, 4085..4276		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	4164	End	4769
GI	none	Score	108
Exons	4164..4253, 4164..4253, 4165..4275, 4166..4276, 4294..4431, 4295..4447, 4447..4527, 4467..4586, 4490..4708, 4539..4601, 4623..4706, 4690..4767, 4698..4769, 4699..4767, 4700..4768		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o3.gs	Method	GENSCAN
Start	9981	End	11000
GI	none	Score	1
Exons	9981..11000		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-

Start	9981	End	11000
Name	OJ991114_37.0128.C1.o2.np	Method	AAT/NAP
Start	10047	End	11000
GI	6714299	Score	601
Exons	10047..11000		
GI Descrip.	(AC013354) F15H18.14 [Arabidopsis thaliana]		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o2.tm	Method	TBLASTX:Maize
Start	10056	End	10538
GI	none	Score	44
Exons	10056..10229, 10189..10227, 10239..10487, 10242..10484, 10482..10538		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o1.tc	Method	TBLASTX:Cress
Start	10059	End	10547
GI	none	Score	51
Exons	10059..10232, 10060..10236, 10222..10491, 10239..10547		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o1.gp	Method	AAT/GAP
Start	10133	End	10456
GI	LIB3475-001-P1-K2-C2	Score	604
Exons	10133..10456		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o1.ts	Method	TBLASTX:Soybean
Start	10179	End	11000
GI	none	Score	201
Exons	10179..10547, 10180..10491, 10564..10590, 10641..10691, 10794..10871, 10798..10860, 10974..11000		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	10230	End	10502
GI	none	Score	71
Exons	10230..10331, 10320..10502, 10339..10485		

Seq. No.	23735	Seq. ID	OJ991114_37.0128.C1
Gene No.	49370	Strand	-
Start	9981	End	11000
Name	OJ991114_37.0128.C1.o4.tm	Method	TBLASTX:Maize
Start	10602	End	11000
GI	none	Score	53

Exons 10602..10640, 10617..10775, 10650..10715, 10657..10776,
10791..10868, 10791..10886, 10792..10878, 10932..11000

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49371	Strand	+
Start	2970	End	3446
Name	OJ991114_37.0128.C2.o2.gp	Method	AAT/GAP
Start	2970	End	3446
GI	38782.1.R1084	Score	810
Exons	2970..3446		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49372	Strand	+
Start	19109	End	23151
Name	OJ991114_37.0128.C2.o2.gs	Method	GENSCAN
Start	19109	End	23151
GI	none	Score	.82
Exons	19109..19141, 19314..19477, 20710..21136, 21625..21846, 22560..22631, 22828..23151		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49372	Strand	+
Start	19109	End	23151
Name	OJ991114_37.0128.C2.o4.np	Method	AAT/NAP
Start	20051	End	21136
GI	4982519	Score	107
Exons	20051..20101, 20897..21136		
GI Descrip.	(AC000107) F17F8.25 [Arabidopsis thaliana]		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49373	Strand	+
Start	26289	End	29620
Name	OJ991114_37.0128.C2.o6.np	Method	AAT/NAP
Start	26289	End	29620
GI	4755186	Score	1702
Exons	26289..26464, 26666..26768, 26887..28667, 29252..29620		
GI Descrip.	(AC007018) unknown protein [Arabidopsis thaliana]		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49373	Strand	+
Start	26289	End	29620
Name	OJ991114_37.0128.C2.o5.gp	Method	AAT/GAP
Start	27138	End	27557
GI	2427366	Score	778
Exons	27138..27557		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49374	Strand	-
Start	1	End	18121
Name	OJ991114_37.0128.C2.o1.np	Method	AAT/NAP
Start	1	End	1569
GI	6907086	Score	1134
Exons	1..223, 347..407, 624..862, 920..1569		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49374	Strand	-
Start	1	End	18121
Name	OJ991114_37.0128.C2.o1.gs	Method	GENSCAN
Start	972	End	18121
GI	none	Score	.51
Exons	972..1415, 3076..3163, 4634..4924, 4965..5091, 6312..6386, 7411..7437, 7562..7621, 8711..8782, 9009..9161, 9824..9997, 11109..11289, 12725..12891, 13955..14125, 14230..14684, 15054..15227, 16027..16156, 17006..18121		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49374	Strand	-
Start	1	End	18121
Name	OJ991114_37.0128.C2.o1.gp	Method	AAT/GAP
Start	1661	End	1839
GI	5667165	Score	305
Exons	1661..1839		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49374	Strand	-
Start	1	End	18121
Name	OJ991114_37.0128.C2.o2.np	Method	AAT/NAP
Start	2266	End	5598
GI	4680186	Score	191
Exons	2266..2689, 3168..3226, 4677..4814, 5544..5598		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49374	Strand	-
Start	1	End	18121
Name	OJ991114_37.0128.C2.o3.gp	Method	AAT/GAP
Start	16578	End	16943
GI	2311913	Score	686
Exons	16578..16943		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49375	Strand	-
Start	23517	End	26482
Name	OJ991114_37.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	16950	End	17392
GI	none	Score	175
Exons	16950..17126, 16952..17392, 16952..17392		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49375	Strand	-
Start	23517	End	26482
Name	OJ991114_37.0128.C2.o5.np	Method	AAT/NAP
Start	23434	End	23764
GI	6539588	Score	279
Exons	23434..23764		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	23736	Seq. ID	OJ991114_37.0128.C2
Gene No.	49375	Strand	-

Start 23517
 Name OJ991114_37.0128.C2.o3.gs
 Start 23517
 GI none
 Exons 23517..23737, 26359..26482

End 26482
 Method GENSCAN
 End 26482
 Score .59

Seq. No. 23736
 Gene No. 49375
 Start 23517
 Name OJ991114_37.0128.C2.o4.gp
 Start 23940
 GI 4968598
 Exons 23940..24397

Seq. ID OJ991114_37.0128.C2
 Strand -
 End 26482
 Method AAT/GAP
 End 24397
 Score 765

Seq. No. 23736
 Gene No. 49376
 Start 28033
 Name OJ991114_37.0128.C2.o1.ts
 Start 28033
 GI none
 Exons 28033..28212, 28035..28202, 28200..28244, 28241..28300

Seq. ID OJ991114_37.0128.C2
 Strand
 End 28300
 Method TBLASTX:Soybean
 End 28300
 Score 251

Seq. No. 23736
 Gene No. 49377
 Start 28286
 Name OJ991114_37.0128.C2.o2.tm
 Start 28286
 GI none
 Exons 28286..28591, 28287..28631, 28300..28638, 28320..28667, 29250..29297, 29256..29297, 29257..29298

Seq. ID OJ991114_37.0128.C2
 Strand
 End 29354
 Method TBLASTX:Maize
 End 29298
 Score 440

Seq. No. 23736
 Gene No. 49377
 Start 28286
 Name OJ991114_37.0128.C2.o1.tw
 Start 28454
 GI none
 Exons 28454..28666, 28457..28537, 28459..28668, 28477..28668, 29250..29354, 29251..29349, 29256..29351

Seq. ID OJ991114_37.0128.C2
 Strand
 End 29354
 Method TBLASTX:Wheat
 End 29354
 Score 271

Seq. No. 23736
 Gene No. 49378
 Start 29317
 Name OJ991114_37.0128.C2.o1.tc
 Start 29317
 GI none
 Exons 29317..29379, 29363..29488, 29368..29616, 29368..29481, 29388..29606

Seq. ID OJ991114_37.0128.C2
 Strand
 End 29616
 Method TBLASTX:Cress
 End 29616
 Score 37

Seq. No. 23737
 Gene No. 49379
 Start 3910
 Name OJ991114_37.0128.C3.o2.np
 Start 3910
 GI 3319695
 Exons 3910..4068, 5229..5269

Seq. ID OJ991114_37.0128.C3
 Strand +
 End 5269
 Method AAT/NAP
 End 5269
 Score 161

GI Descrip. (AJ223422) cytochrome c oxidase subunit-I [Rhamnus cathartica]

Seq. No.	23737	Seq. ID	OJ991114_37.0128.C3
Gene No.	49380	Strand	-
Start	1	End	5498
Name	OJ991114_37.0128.C3.o1.np	Method	AAT/NAP
Start	1	End	2944
GI	3641837	Score	729
Exons	1..29, 875..980, 1056..1256, 1341..1454, 1529..1579, 1712..1812, 2902..2944		
GI Descrip.	(AL023094) Nonclathrin coat protein gamma-like protein [Arabidopsis thaliana]		

Seq. No.	23737	Seq. ID	OJ991114_37.0128.C3
Gene No.	49380	Strand	-
Start	1	End	5498
Name	OJ991114_37.0128.C3.o1.gs	Method	GENSCAN
Start	801	End	5498
GI	none	Score	.61
Exons	801..878, 1056..1256, 1341..1454, 1529..1579, 1712..1809, 2902..3100, 4212..4335, 5182..5498		

Seq. No.	23737	Seq. ID	OJ991114_37.0128.C3
Gene No.	49380	Strand	-
Start	1	End	5498
Name	OJ991114_37.0128.C3.o2.tm	Method	TBLASTX:Maize
Start	873	End	1127
GI	none	Score	118
Exons	873..983, 876..992, 880..996, 1032..1124, 1056..1127, 1057..1125		

Seq. No.	23737	Seq. ID	OJ991114_37.0128.C3
Gene No.	49380	Strand	-
Start	1	End	5498
Name	OJ991114_37.0128.C3.o1.tc	Method	TBLASTX:Cress
Start	875	End	2965
GI	none	Score	108
Exons	875..982, 876..992, 879..983, 1050..1265, 1060..1257, 1336..1461, 1338..1454, 1340..1456, 1526..1585, 1527..1586, 1707..1808, 1709..1810, 2903..2965		

Seq. No.	23737	Seq. ID	OJ991114_37.0128.C3
Gene No.	49380	Strand	-
Start	1	End	5498
Name	OJ991114_37.0128.C3.o1.ts	Method	TBLASTX:Soybean
Start	876	End	1807
GI	none	Score	112
Exons	876..992, 889..978, 1043..1207, 1050..1259, 1060..1257, 1151..1267, 1336..1461, 1338..1454, 1340..1456, 1526..1585, 1527..1586, 1707..1802, 1709..1807		

Seq. No.	23737	Seq. ID	OJ991114_37.0128.C3
Gene No.	49380	Strand	-
Start	1	End	5498
Name	OJ991114_37.0128.C3.o1.tm	Method	TBLASTX:Maize
Start	1236	End	3058
GI	none	Score	42
Exons	1236..1262, 1237..1257, 1335..1457, 1335..1454, 1336..1461, 1339..1455, 1526..1585, 1527..1586, 1529..1591, 1694..1810,		

1707..1823, 2896..2949, 2903..3058, 2922..2963

Seq. No.	23737	Seq. ID	OJ991114_37.0128.C3
Gene No.	49380	Strand	-
Start	1	End	5498
Name	OJ991114_37.0128.C3.o3.np	Method	AAT/NAP
Start	4605	End	5227
GI	6721559	Score	369
Exons	4605..5227		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815084 dbj BAA90370.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49381	Strand	+
Start	1234	End	3830
Name	OJ991114_37.0128.C4.o1.gs	Method	GENSCAN
Start	1234	End	3830
GI	none	Score	.89
Exons	1234..1322, 2571..2724, 3252..3453, 3697..3830		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49382	Strand	-
Start	237	End	11184
Name	OJ991114_37.0128.C4.o1.np	Method	AAT/NAP
Start	237	End	11184
GI	4680183	Score	184
Exons	237..326, 925..994, 11164..11184		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49382	Strand	-
Start	237	End	11184
Name	OJ991114_37.0128.C4.o1.gp	Method	AAT/GAP
Start	4611	End	5571
GI	70292_1.R1084	Score	1439
Exons	4611..5105, 5204..5368, 5471..5571		
GI Descrip.	'5430769/gb AAD43169.1 AC007504.24 5.0e-29 (AC007504) Similar to somatic embryogenesis receptor-like kinase [Arabidopsis thaliana]'		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49382	Strand	-
Start	237	End	11184
Name	OJ991114_37.0128.C4.o2.np	Method	AAT/NAP
Start	4842	End	7406
GI	3641836	Score	1220
Exons	4842..5105, 5171..5368, 5471..5615, 5705..5781, 5860..5930, 5999..6127, 6230..6715, 6803..7406		
GI Descrip.	(AL023094) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49382	Strand	-
Start	237	End	11184
Name	OJ991114_37.0128.C4.o2.gs	Method	GENSCAN
Start	4872	End	10775

GI none Score .84
Exons 4872..5105, 5204..5368, 5471..5615, 5624..5781, 5860..5997,
6036..6715, 6827..7539, 7982..8002, 10016..10119, 10477..10581,
10654..10775

Seq. No. 23738 Seq. ID OJ991114_37.0128.C4
Gene No. 49382 Strand -
Start 237 End 11184
Name OJ991114_37.0128.C4.o1.tm Method TBLASTX:Maize
Start 4914 End 6605
GI none Score 36
Exons 4914..5024, 5007..5117, 5186..5338, 5336..5368, 5466..5495,
5471..5497, 5471..5497, 5486..5614, 5499..5615, 5507..5617,
5680..5781, 5681..5782, 5857..5928, 5858..5935, 6039..6125,
6040..6135, 6231..6287, 6235..6276, 6276..6440, 6295..6432,
6438..6605, 6445..6579

Seq. No. 23738 Seq. ID OJ991114_37.0128.C4
Gene No. 49382 Strand -
Start 237 End 11184
Name OJ991114_37.0128.C4.o1.ts Method TBLASTX:Soybean
Start 5486 End 6593
GI none Score 137
Exons 5486..5614, 5508..5615, 5689..5781, 5705..5782, 5854..5928,
5858..5935, 6039..6128, 6228..6290, 6276..6428, 6349..6429,
6438..6593, 6439..6573

Seq. No. 23738 Seq. ID OJ991114_37.0128.C4
Gene No. 49382 Strand -
Start 237 End 11184
Name OJ991114_37.0128.C4.o1.tw Method TBLASTX:Wheat
Start 5510 End 6119
GI none Score 66
Exons 5510..5614, 5511..5606, 5689..5781, 5705..5785, 5857..5928,
5879..5926, 6039..6119

Seq. No. 23738 Seq. ID OJ991114_37.0128.C4
Gene No. 49382 Strand -
Start 237 End 11184
Name OJ991114_37.0128.C4.o1.tc Method TBLASTX:Cress
Start 5525 End 6332
GI none Score 109
Exons 5525..5614, 5526..5615, 5689..5781, 5705..5785, 5857..5928,
6039..6128, 6040..6135, 6228..6290, 6276..6332

Seq. No. 23738 Seq. ID OJ991114_37.0128.C4
Gene No. 49382 Strand -
Start 237 End 11184
Name OJ991114_37.0128.C4.o2.tw Method TBLASTX:Wheat
Start 6306 End 6540
GI none Score 66
Exons 6306..6440, 6435..6530, 6445..6540

Seq. No. 23738 Seq. ID OJ991114_37.0128.C4
Gene No. 49382 Strand -
Start 237 End 11184
Name OJ991114_37.0128.C4.o2.tc Method TBLASTX:Cress

Start	6333	End	6588
GI	none	Score	143
Exons	6333..6434, 6334..6438, 6438..6551, 6445..6528, 6564..6587, 6565..6588		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49382	Strand	-
Start	237	End	11184
Name	OJ991114_37.0128.C4.o2.gp	Method	AAT/GAP
Start	7118	End	7543
GI	none	Score	688
Exons	7118..7543		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49382	Strand	-
Start	237	End	11184
Name	OJ991114_37.0128.C4.o2.tm	Method	TBLASTX:Maize
Start	9673	End	11183
GI	none	Score	112
Exons	9673..9852, 10000..10131, 10001..10108, 10009..10122, 10199..10273, 10200..10274, 10474..10584, 10475..10582, 10477..10584, 10636..10734, 10646..10777, 10654..10785, 11142..11183		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49382	Strand	-
Start	237	End	11184
Name	OJ991114_37.0128.C4.o3.np	Method	AAT/NAP
Start	9691	End	11184
GI	6665556	Score	447
Exons	9691..9850, 10016..10119, 10202..10279, 10353..10388, 10477..10581, 10654..10775, 11147..11184		
GI Descrip.	(AC013289) putative chromomethylase [Arabidopsis thaliana]		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49382	Strand	-
Start	237	End	11184
Name	OJ991114_37.0128.C4.o2.ts	Method	TBLASTX:Soybean
Start	9788	End	10274
GI	none	Score	89
Exons	9788..9871, 9814..9873, 10000..10131, 10001..10117, 10042..10122, 10202..10267, 10202..10273, 10203..10274		

Seq. No.	23738	Seq. ID	OJ991114_37.0128.C4
Gene No.	49382	Strand	-
Start	237	End	11184
Name	OJ991114_37.0128.C4.o3.tc	Method	TBLASTX:Cress
Start	9814	End	10728
GI	none	Score	85
Exons	9814..9873, 10000..10131, 10001..10108, 10202..10273, 10203..10271, 10546..10584, 10654..10728		

Seq. No.	23739	Seq. ID	OJ991114_37.0128.C5
Gene No.	49383	Strand	-
Start	180	End	744
Name	OJ991114_37.0128.C5.o1.gs	Method	GENSCAN
Start	180	End	744

GI	none	Score	.82
Exons	180..333, 518..744		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49384	Strand	+
Start	11962	End	12406
Name	OJ991114_37.0128.C6.o2.gp	Method	AAT/GAP
Start	11962	End	12406
GI	uC-osrocyp008h03a1	Score	830
Exons	11962..12406		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49385	Strand	-
Start	197	End	1978
Name	OJ991114_37.0128.C6.o1.gs	Method	GENSCAN
Start	197	End	1978
GI	none	Score	.83
Exons	197..428, 661..789, 915..1071, 1581..1751, 1941..1978		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49386	Strand	-
Start	2504	End	5321
Name	OJ991114_37.0128.C6.o1.gp	Method	AAT/GAP
Start	2504	End	5321
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	2504..2541, 5257..5321		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49386	Strand	-
Start	2504	End	5321
Name	OJ991114_37.0128.C6.o2.gs	Method	GENSCAN
Start	3090	End	4067
GI	none	Score	.45
Exons	3090..3259, 4001..4067		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49387	Strand	-
Start	5925	End	10030
Name	OJ991114_37.0128.C6.o1.np	Method	AAT/NAP
Start	5925	End	10030
GI	3242708	Score	1397
Exons	5925..7212, 8212..8276, 9284..10030		
GI Descrip.	(AC003040) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49387	Strand	-
Start	5925	End	10030
Name	OJ991114_37.0128.C6.o4.gs	Method	GENSCAN
Start	9003	End	10030
GI	none	Score	.96
Exons	9003..9067, 9262..10030		

Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	6086	End	7055
GI	none	Score	36
Exons	6086..6160, 6183..6560, 6223..6549, 6573..6671, 6577..6666, 6654..6767, 6660..6809, 6678..6767, 6801..7055, 6931..7044		

Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	6168	End	6875
GI	none	Score	70
Exons	6168..6281, 6168..6557, 6169..6564, 6564..6875, 6580..6837		

Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	6177	End	7064
GI	none	Score	43
Exons	6177..6281, 6324..6560, 6406..6477, 6573..6743, 6580..6735, 6760..7041, 6762..7064		

Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	6399	End	6815
GI	none	Score	76
Exons	6399..6548, 6427..6543, 6490..6579, 6518..6580, 6571..6696, 6572..6697, 6573..6815, 6577..6720		

Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	6822	End	7043
GI	none	Score	177
Exons	6822..7043		

Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o4.tm	Method	TBLASTX:Maize
Start	8172	End	9545
GI	none	Score	37
Exons	8172..8219, 8187..8219, 8223..8255, 8224..8274, 9278..9544, 9318..9545		

Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	9644	End	9910

GI	none	Score	168
Exons	9644..9904, 9644..9910, 9663..9908		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o5.gs	Method	GENSCAN
Start	10418	End	12677
GI	none	Score	.76
Exons	10418..10585, 11844..11909, 12318..12677		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o2.np	Method	AAT/NAP
Start	11455	End	11534
GI	5852084	Score	82
Exons	11455..11534		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o5.tm	Method	TBLASTX:Maize
Start	12131	End	12401
GI	none	Score	105
Exons	12131..12166, 12228..12326, 12232..12300, 12339..12401, 12364..12399		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	12223	End	12471
GI	none	Score	66
Exons	12223..12312, 12228..12470, 12243..12437, 12376..12471		
Seq. No.	23740	Seq. ID	OJ991114_37.0128.C6
Gene No.	49388	Strand	-
Start	10418	End	12807
Name	OJ991114_37.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	12408	End	12807
GI	none	Score	147
Exons	12408..12530, 12408..12533, 12409..12534, 12537..12644, 12543..12644, 12547..12645, 12646..12807, 12647..12751, 12648..12752		
Seq. No.	23741	Seq. ID	OJ991114_37.0128.C7
Gene No.	49389	Strand	+
Start	61	End	450
Name	OJ991114_37.0128.C7.o1.gp	Method	AAT/GAP
Start	61	End	450
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	61..86, 366..450		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23742	Seq. ID	OJ991114_37.0128.C8
Gene No.	49390	Strand	-
Start	1	End	686
Name	OJ991114_37.0128.C8.o1.np	Method	AAT/NAP
Start	1	End	686
GI	4467124	Score	131
Exons	1..436, 557..686		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23742	Seq. ID	OJ991114_37.0128.C8
Gene No.	49390	Strand	-
Start	1	End	686
Name	OJ991114_37.0128.C8.o1.gs	Method	GENSCAN
Start	172	End	598
GI	none	Score	.48
Exons	172..427, 572..598		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49391	Strand	+
Start	3421	End	5896
Name	OJ991114_37.0128.C9.o2.gs	Method	GENSCAN
Start	3421	End	3726
GI	none	Score	.83
Exons	3421..3469, 3620..3726		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49391	Strand	+
Start	3421	End	5896
Name	OJ991114_37.0128.C9.o1.np	Method	AAT/NAP
Start	3625	End	5889
GI	1352186	Score	1278
Exons	3625..3752, 4251..4324, 4476..5889		
GI Descrip.	ALLENE OXIDE SYNTHASE PRECURSOR (HYDROPEROXIDE DEHYDRASE) (CYTOCHROME P450 74A) gi 404866 (U00428) allene oxide synthase [Linum usitatissimum]		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49391	Strand	+
Start	3421	End	5896
Name	OJ991114_37.0128.C9.o3.gp	Method	AAT/GAP
Start	4342	End	4736
GI	66333_1.R1084	Score	743
Exons	4342..4736		
GI Descrip.	'1352186/sp P48417 CP74 LINUS 2.0e-14 ALLENE OXIDE SYNTHASE PRECURSOR (HYDROPEROXIDE DEHYDRASE) (CYTOCHROME P450 74A) >gi_404866 (U00428) allene oxide synthase [Linum usitatissimum]'		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49391	Strand	+
Start	3421	End	5896
Name	OJ991114_37.0128.C9.o3.gs	Method	GENSCAN
Start	4460	End	5896
GI	none	Score	.99
Exons	4460..5896		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
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Gene No.	49392	Strand	+
Start	7016	End	10259
Name	OJ991114_37.0128.C9.o2.np	Method	AAT/NAP
Start	6872	End	8595
GI	6721512	Score	65
Exons	6872..6979, 7007..7116, 7159..7295, 8528..8595		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49392	Strand	+
Start	7016	End	10259
Name	OJ991114_37.0128.C9.o4.gs	Method	GENSCAN
Start	7016	End	10103
GI	none	Score	.47
Exons	7016..7153, 8289..8480, 9119..9231, 9690..9846, 10022..10103		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49392	Strand	+
Start	7016	End	10259
Name	OJ991114_37.0128.C9.o3.np	Method	AAT/NAP
Start	9710	End	10259
GI	6907088	Score	522
Exons	9710..9846, 10022..10259		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49393	Strand	-
Start	348	End	1978
Name	OJ991114_37.0128.C9.o1.gs	Method	GENSCAN
Start	348	End	1894
GI	none	Score	.62
Exons	348..570, 652..780, 1017..1145, 1689..1894		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49393	Strand	-
Start	348	End	1978
Name	OJ991114_37.0128.C9.o1.gp	Method	AAT/GAP
Start	1146	End	1978
GI	95583_1.R1084	Score	1358
Exons	1146..1589, 1689..1978		
GI Descrip.	'343696/gb K01229 WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)'		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49394	Strand	-
Start	2282	End	2755
Name	OJ991114_37.0128.C9.o2.gp	Method	AAT/GAP
Start	2282	End	2755
GI	LIB3432-059-P1-K1-D8	Score	681
Exons	2282..2755		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49395	Strand	-
Start	8823	End	9335
Name	OJ991114_37.0128.C9.o1.tm	Method	TBLASTX:Maize

Start	4436	End	5859
GI	none	Score	657
Exons	4436..4939, 4516..4938, 4915..5022, 4937..5026, 5035..5178, 5234..5791, 5240..5857, 5260..5859		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49395	Strand	-
Start	8823	End	9335
Name	OJ991114_37.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	4478	End	5869
GI	none	Score	476
Exons	4478..4924, 4519..4854, 5240..5620, 5266..5610, 5408..5629, 5630..5869, 5674..5835		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49395	Strand	-
Start	8823	End	9335
Name	OJ991114_37.0128.C9.o2.tw	Method	TBLASTX:Wheat
Start	4478	End	4667
GI	none	Score	192
Exons	4478..4609, 4478..4537, 4516..4608, 4587..4667		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49395	Strand	-
Start	8823	End	9335
Name	OJ991114_37.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	4478	End	5869
GI	none	Score	186
Exons	4478..4693, 4534..4656, 4628..4948, 4660..4857, 5240..5620, 5260..5610, 5630..5869, 5674..5868		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49395	Strand	-
Start	8823	End	9335
Name	OJ991114_37.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	5102	End	5485
GI	none	Score	344
Exons	5102..5167, 5108..5485, 5263..5484		

Seq. No.	23743	Seq. ID	OJ991114_37.0128.C9
Gene No.	49395	Strand	-
Start	8823	End	9335
Name	OJ991114_37.0128.C9.o4.gp	Method	AAT/GAP
Start	8823	End	9335
GI	38782_1.R1084	Score	800
Exons	8823..9335		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	23744	Seq. ID	OJ991114_37.0128.C10
Gene No.	49396	Strand	+
Start	130	End	1484
Name	OJ991114_37.0128.C10.o1.gs	Method	GENSCAN
Start	130	End	1484
GI	none	Score	.75
Exons	130..199, 615..789, 1100..1204, 1383..1484		

Seq. No.	23744	Seq. ID	OJ991114_37.0128.C10
Gene No.	49397	Strand	+
Start	1924	End	3118
Name	OJ991114_37.0128.C10.o1.np	Method	AAT/NAP
Start	1731	End	3118
GI	6907086	Score	1165
Exons	1731..2482, 2543..2787, 3019..3118		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23744	Seq. ID	OJ991114_37.0128.C10
Gene No.	49397	Strand	+
Start	1924	End	3118
Name	OJ991114_37.0128.C10.o2.gs	Method	GENSCAN
Start	1924	End	2457
GI	none	Score	.9
Exons	1924..2457		

Seq. No.	23744	Seq. ID	OJ991114_37.0128.C10
Gene No.	49398	Strand	-
Start	1	End	304
Name	OJ991114_37.0128.C10.o1.gp	Method	AAT/GAP
Start	1	End	304
GI	38782_1.R1084	Score	478
Exons	1..304		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	23745	Seq. ID	OJ991114_37.0128.C11
Gene No.	49399	Strand	+
Start	1	End	3378
Name	OJ991114_37.0128.C11.o1.np	Method	AAT/NAP
Start	1	End	652
GI	4539658	Score	250
Exons	1..85, 303..436, 478..652		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	23745	Seq. ID	OJ991114_37.0128.C11
Gene No.	49399	Strand	+
Start	1	End	3378
Name	OJ991114_37.0128.C11.o2.np	Method	AAT/NAP
Start	1	End	3378
GI	4539658	Score	251
Exons	1..85, 303..436, 478..657, 3327..3378		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	23745	Seq. ID	OJ991114_37.0128.C11
Gene No.	49399	Strand	+
Start	1	End	3378
Name	OJ991114_37.0128.C11.o1.gs	Method	GENSCAN
Start	524	End	658
GI	none	Score	.4
Exons	524..658		

Seq. No.	23745	Seq. ID	OJ991114_37.0128.C11
Gene No.	49400	Strand	-

Start	1916	End	3400
Name	OJ991114_37.0128.C11.o2.gs	Method	GENSCAN
Start	1916	End	3400
GI	none	Score	.78
Exons	1916..2039, 3166..3246, 3291..3400		
Seq. No.	23746	Seq. ID	OJ991114_37.0128.C12
Gene No.	49401	Strand	+
Start	445	End	2699
Name	OJ991114_37.0128.C12.o1.gs	Method	GENSCAN
Start	445	End	2061
GI	none	Score	.84
Exons	445..580, 1538..2061		
Seq. No.	23746	Seq. ID	OJ991114_37.0128.C12
Gene No.	49401	Strand	+
Start	445	End	2699
Name	OJ991114_37.0128.C12.o1.np	Method	AAT/NAP
Start	1310	End	2699
GI	6907086	Score	1030
Exons	1310..2086, 2147..2323, 2543..2699		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	23747	Seq. ID	OJ991114_37.0128.C13
Gene No.	49402	Strand	-
Start	1034	End	1964
Name	OJ991114_37.0128.C13.o1.gp	Method	AAT/GAP
Start	852	End	1964
GI	1029_1.R1084	Score	1404
Exons	852..1174, 1267..1382, 1481..1595, 1726..1964		
GI Descrip.	'2058496 3.0e-91 (U76028) hemoglobin 2 [Oryza sativa] >gi_2058502 (U76031) hemoglobin 2 [Oryza sativa]'		
Seq. No.	23747	Seq. ID	OJ991114_37.0128.C13
Gene No.	49402	Strand	-
Start	1034	End	1964
Name	OJ991114_37.0128.C13.o1.tm	Method	TBLASTX:Maize
Start	1005	End	1788
GI	none	Score	157
Exons	1005..1175, 1038..1175, 1043..1177, 1046..1189, 1264..1326, 1265..1327, 1329..1388, 1330..1383, 1425..1565, 1481..1567, 1547..1594, 1562..1612, 1725..1787, 1725..1787, 1732..1788		
Seq. No.	23747	Seq. ID	OJ991114_37.0128.C13
Gene No.	49402	Strand	-
Start	1034	End	1964
Name	OJ991114_37.0128.C13.o1.gs	Method	GENSCAN
Start	1034	End	1862
GI	none	Score	.83
Exons	1034..1174, 1338..1382, 1481..1595, 1726..1862		
Seq. No.	23747	Seq. ID	OJ991114_37.0128.C13
Gene No.	49402	Strand	-
Start	1034	End	1964
Name	OJ991114_37.0128.C13.o1.np	Method	AAT/NAP
Start	1037	End	1862
GI	2058496	Score	743

Exons 1037..1174, 1267..1382, 1481..1595, 1726..1862
 GI Descrip. (U76028) hemoglobin 2 [Oryza sativa] gi|2058502 (U76031)
 hemoglobin 2 [Oryza sativa]

Seq. No. 23747 Seq. ID OJ991114_37.0128.C13
 Gene No. 49402 Strand -
 Start 1034 End 1964
 Name OJ991114_37.0128.C13.o1.ts Method TBLASTX:Soybean
 Start 1043 End 1815
 GI none Score 84
 Exons 1043..1126, 1044..1160, 1130..1195, 1264..1323, 1265..1324,
 1329..1388, 1330..1383, 1433..1612, 1464..1601, 1663..1815,
 1725..1814

Seq. No. 23747 Seq. ID OJ991114_37.0128.C13
 Gene No. 49402 Strand -
 Start 1034 End 1964
 Name OJ991114_37.0128.C13.o1.tc Method TBLASTX:Cress
 Start 1047 End 1845
 GI none Score 57
 Exons 1047..1160, 1049..1126, 1128..1175, 1130..1177, 1244..1327,
 1246..1326, 1264..1356, 1329..1379, 1425..1598, 1433..1612,
 1701..1832, 1702..1845

Seq. No. 23748 Seq. ID OJ991114_37.0128.C14
 Gene No. 49403 Strand +
 Start 155 End 2911
 Name OJ991114_37.0128.C14.o1.gs Method GENSCAN
 Start 155 End 2911
 GI none Score .88
 Exons 155..299, 563..755, 791..815, 1140..1224, 1298..1551,
 1660..1786, 1922..2195, 2341..2473, 2623..2709, 2792..2911

Seq. No. 23748 Seq. ID OJ991114_37.0128.C14
 Gene No. 49403 Strand +
 Start 155 End 2911
 Name OJ991114_37.0128.C14.o1.gp Method AAT/GAP
 Start 183 End 2456
 GI 28854_1.R1084 Score 2058
 Exons 183..299, 541..755, 1298..1551, 1660..1786, 1922..2195,
 2341..2456

GI Descrip. '1871186 1.0e-102 (U90439) protein kinase isolog [Arabidopsis
 thaliana]'

Seq. No. 23748 Seq. ID OJ991114_37.0128.C14
 Gene No. 49403 Strand +
 Start 155 End 2911
 Name OJ991114_37.0128.C14.o1.np Method AAT/NAP
 Start 656 End 2911
 GI 1871186 Score 1121
 Exons 656..758, 1298..1551, 1660..1786, 1922..2195, 2341..2473,
 2623..2709, 2792..2911

GI Descrip. (U90439) putative protein kinase [Arabidopsis thaliana]

Seq. No. 23748 Seq. ID OJ991114_37.0128.C14
 Gene No. 49404 Strand +
 Start 3474 End 4530

Name	OJ991114_37.0128.C14.o2.gs	Method	GENSCAN
Start	3474	End	4530
GI	none	Score	.89
Exons	3474..3515, 4060..4217, 4320..4530		
Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49405	Strand	+
Start	10025	End	14098
Name	OJ991114_37.0128.C14.o2.gp	Method	AAT/GAP
Start	9886	End	12335
GI	none	Score	883
Exons	9886..10202, 12189..12335		
Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49405	Strand	+
Start	10025	End	14098
Name	OJ991114_37.0128.C14.o4.gs	Method	GENSCAN
Start	10025	End	13975
GI	none	Score	.9
Exons	10025..10202, 11103..11177, 12189..12361, 12443..12641, 12822..13000, 13093..13243, 13582..13715, 13811..13975		
Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49405	Strand	+
Start	10025	End	14098
Name	OJ991114_37.0128.C14.o2.np	Method	AAT/NAP
Start	12194	End	13982
GI	6729549	Score	981
Exons	12194..12361, 12461..12641, 12846..13000, 13093..13243, 13603..13715, 13811..13982		
GI Descrip.	(A132977) putative protein [Arabidopsis thaliana]		
Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49405	Strand	+
Start	10025	End	14098
Name	OJ991114_37.0128.C14.o3.gp	Method	AAT/GAP
Start	13144	End	14098
GI	LIB3434-034-P1-K1-E11	Score	946
Exons	13144..13243, 13582..13715, 13811..14098		
GI Descrip.	'4966352/gb AAD34683.1 AC006341_11 5.0e-45 (AC006341) >F309.11 [Arabidopsis thaliana]'		
Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49406	Strand	-
Start	5004	End	9664
Name	OJ991114_37.0128.C14.o3.gs	Method	GENSCAN
Start	5004	End	9664
GI	none	Score	.72
Exons	5004..5162, 5801..5959, 8463..8666, 8674..8750, 9616..9664		
Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o4.tc	Method	TBLASTX:Cress
Start	1303	End	2416
GI	none	Score	163
Exons	1303..1533, 1350..1514, 1630..1737, 2360..2416		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o2.tw	Method	TBLASTX:Wheat
Start	1360	End	1776
GI	none	Score	145
Exons	1360..1533, 1362..1508, 1633..1776, 1635..1769		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o1.ts	Method	TBLASTX:Soybean
Start	1362	End	2899
GI	none	Score	171
Exons	1362..1508, 1363..1557, 1657..1788, 1659..1790, 1929..2198, 1930..2196, 2341..2469, 2342..2473, 2348..2473, 2622..2711, 2623..2712, 2789..2899, 2794..2898		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o3.tm	Method	TBLASTX:Maize
Start	1411	End	2881
GI	none	Score	136
Exons	1411..1557, 1413..1553, 1633..1788, 1635..1712, 1749..1790, 1929..2198, 1930..2196, 2341..2472, 2342..2473, 2623..2712, 2629..2694, 2789..2881, 2794..2880		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o1.tc	Method	TBLASTX:Cress
Start	1738	End	2198
GI	none	Score	73
Exons	1738..1788, 1929..2198, 1930..2196		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o3.tw	Method	TBLASTX:Wheat
Start	1966	End	2413
GI	none	Score	84
Exons	1966..2022, 1974..2021, 2029..2196, 2097..2198, 2327..2413		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o1.tw	Method	TBLASTX:Wheat
Start	2417	End	2909
GI	none	Score	93
Exons	2417..2473, 2419..2472, 2623..2712, 2629..2709, 2789..2887, 2794..2883, 2807..2896, 2811..2909		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217

Name	OJ991114_37.0128.C14.o3.tc	Method	TBLASTX:Cress
Start	2417	End	2908
GI	none	Score	96
Exons	2417..2473, 2420..2473, 2421..2474, 2623..2712, 2623..2709, 2789..2908, 2794..2907		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o1.tm	Method	TBLASTX:Maize
Start	12224	End	12643
GI	none	Score	174
Exons	12224..12364, 12224..12361, 12288..12362, 12289..12372, 12440..12631, 12441..12593, 12443..12643, 12445..12642		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o2.ts	Method	TBLASTX:Soybean
Start	12314	End	12643
GI	none	Score	64
Exons	12314..12364, 12443..12643, 12448..12642		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o2.tc	Method	TBLASTX:Cress
Start	12490	End	13718
GI	none	Score	189
Exons	12490..12657, 12491..12685, 12821..13000, 12868..12996, 13084..13239, 13090..13239, 13584..13718, 13596..13718		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o2.tm	Method	TBLASTX:Maize
Start	12896	End	14111
GI	none	Score	159
Exons	12896..13000, 12901..13020, 12901..13002, 13078..13242, 13084..13242, 13091..13249, 13092..13250, 13575..13718, 13577..13729, 13594..13731, 13808..13924, 13808..13921, 13809..13922, 13810..13929, 13923..13946, 13924..13947, 13949..13984, 14019..14111		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o3.ts	Method	TBLASTX:Soybean
Start	13128	End	13924
GI	none	Score	104
Exons	13128..13238, 13129..13239, 13584..13718, 13598..13723, 13608..13718, 13663..13725, 13808..13924, 13808..13924		

Seq. No.	23748	Seq. ID	OJ991114_37.0128.C14
Gene No.	49407	Strand	-
Start	14631	End	15217
Name	OJ991114_37.0128.C14.o5.gs	Method	GENSCAN

Start 14631
 GI none
 Exons 14631..14718, 15111..15217

End 15217
 Score .43

Seq. No. 23749
 Gene No. 49408
 Start 51
 Name OJ991114_37.0128.C15.o1.gs
 Start 51
 GI none
 Exons 51..354, 389..450, 2202..2280

Seq. ID OJ991114_37.0128.C15
 Strand +
 End 2280
 Method GENSCAN
 End 2280
 Score .8

Seq. No. 23750
 Gene No. 49409
 Start 2649
 Name OJ991114_37.0128.C16.o2.np
 Start 2649
 GI 6729548
 Exons 2649..2697, 3472..3845, 4076..4366, 4636..4810
 GI Descrip. (AL132977) putative protein [Arabidopsis thaliana]

Seq. ID OJ991114_37.0128.C16
 Strand +
 End 4810
 Method AAT/NAP
 End 4810
 Score 839

Seq. No. 23750
 Gene No. 49410
 Start 495
 Name OJ991114_37.0128.C16.o1.np
 Start 495
 GI 6523547
 Exons 495..634, 1997..2360, 3829..3857
 GI Descrip. (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]

Seq. ID OJ991114_37.0128.C16
 Strand -
 End 4341
 Method AAT/NAP
 End 3857
 Score 95

Seq. No. 23750
 Gene No. 49410
 Start 495
 Name OJ991114_37.0128.C16.o3.tm
 Start 2178
 GI none
 Exons 2178..2249, 2179..2250, 3504..3629, 3527..3628

Seq. ID OJ991114_37.0128.C16
 Strand -
 End 4341
 Method TBLASTX:Maize
 End 3629
 Score 112

Seq. No. 23750
 Gene No. 49410
 Start 495
 Name OJ991114_37.0128.C16.o1.ts
 Start 3492
 GI none
 Exons 3492..3686, 3536..3685, 3571..3702, 3726..3848, 3726..3788, 3740..3847

Seq. ID OJ991114_37.0128.C16
 Strand -
 End 4341
 Method TBLASTX:Soybean
 End 3848
 Score 217

Seq. No. 23750
 Gene No. 49410
 Start 495
 Name OJ991114_37.0128.C16.o1.tc
 Start 3501
 GI none
 Exons 3501..3659, 3504..3662, 3536..3667, 3738..3848, 3743..3847, 4031..4264, 4076..4264, 4229..4324

Seq. ID OJ991114_37.0128.C16
 Strand -
 End 4341
 Method TBLASTX:Cress
 End 4324
 Score 173

Seq. No.	23750	Seq. ID	OJ991114_37.0128.C16
Gene No.	49410	Strand	-
Start	495	End	4341
Name	OJ991114_37.0128.C16.o1.tm	Method	TBLASTX:Maize
Start	3629	End	4341
GI	none	Score	56
Exons	3629..3661, 3630..3683, 3630..3668, 3631..3717, 3726..3848, 3740..3847, 3747..3848, 3748..3849, 4028..4336, 4031..4330, 4132..4341		

Seq. No.	23750	Seq. ID	OJ991114_37.0128.C16
Gene No.	49410	Strand	-
Start	495	End	4341
Name	OJ991114_37.0128.C16.o2.ts	Method	TBLASTX:Soybean
Start	4116	End	4311
GI	none	Score	299
Exons	4116..4265, 4118..4309, 4118..4306, 4119..4310, 4132..4311		

Seq. No.	23750	Seq. ID	OJ991114_37.0128.C16
Gene No.	49411	Strand	-
Start	4673	End	4810
Name	OJ991114_37.0128.C16.o2.tm	Method	TBLASTX:Maize
Start	4673	End	4810
GI	none	Score	210
Exons	4673..4810, 4691..4810		

Seq. No.	23750	Seq. ID	OJ991114_37.0128.C16
Gene No.	49411	Strand	-
Start	4673	End	4810
Name	OJ991114_37.0128.C16.o3.ts	Method	TBLASTX:Soybean
Start	4673	End	4810
GI	none	Score	212
Exons	4673..4810, 4673..4810		

Seq. No.	23751	Seq. ID	OJ991114_37.0128.C17
Gene No.	49412	Strand	-
Start	197	End	484
Name	OJ991114_37.0128.C17.o1.gs	Method	GENSCAN
Start	197	End	484
GI	none	Score	.74
Exons	197..358, 440..484		

Seq. No.	23752	Seq. ID	OJ991114_37.0128.C18
Gene No.	49413	Strand	+
Start	4736	End	6629
Name	OJ991114_37.0128.C18.o1.gp	Method	AAT/GAP
Start	4694	End	6629
GI	none	Score	1049
Exons	4694..4856, 5217..5329, 6316..6629		

Seq. No.	23752	Seq. ID	OJ991114_37.0128.C18
Gene No.	49413	Strand	+
Start	4736	End	6629
Name	OJ991114_37.0128.C18.o2.np	Method	AAT/NAP
Start	4712	End	6512
GI	2257716	Score	283
Exons	4712..5174, 5204..5329, 6316..6512		

GI Descrip. (U90439) hypothetical protein [Arabidopsis thaliana]

Seq. No.	23752	Seq. ID	OJ991114_37.0128.C18
Gene No.	49413	Strand	+
Start	4736	End	6629
Name	OJ991114_37.0128.C18.o2.gs	Method	GENSCAN
Start	4736	End	6509
GI	none	Score	.81
Exons	4736..5166, 5199..5329, 6316..6509		

Seq. No.	23752	Seq. ID	OJ991114_37.0128.C18
Gene No.	49414	Strand	-
Start	1	End	3518
Name	OJ991114_37.0128.C18.o1.np	Method	AAT/NAP
Start	1	End	2789
GI	2865428	Score	444
Exons	1..140, 215..273, 392..625, 731..796, 882..1036, 1322..1430, 1528..1647, 1741..1848, 2326..2447, 2645..2789		

GI Descrip. (AF039372) chromomethylase [Arabidopsis thaliana]

Seq. No.	23752	Seq. ID	OJ991114_37.0128.C18
Gene No.	49414	Strand	-
Start	1	End	3518
Name	OJ991114_37.0128.C18.o1.gs	Method	GENSCAN
Start	74	End	3518
GI	none	Score	.85
Exons	74..163, 392..625, 1528..1593, 1741..1848, 2326..2422, 2518..2543, 2673..3518		

Seq. No.	23752	Seq. ID	OJ991114_37.0128.C18
Gene No.	49414	Strand	-
Start	1	End	3518
Name	OJ991114_37.0128.C18.o1.tc	Method	TBLASTX:Cress
Start	86	End	2424
GI	none	Score	61
Exons	86..151, 217..273, 221..274, 389..466, 473..625, 728..805, 868..981, 882..965, 1308..1430, 1537..1647, 2329..2424		

Seq. No.	23752	Seq. ID	OJ991114_37.0128.C18
Gene No.	49414	Strand	-
Start	1	End	3518
Name	OJ991114_37.0128.C18.o1.tm	Method	TBLASTX:Maize
Start	1341	End	1816
GI	none	Score	84
Exons	1341..1427, 1342..1416, 1353..1430, 1525..1605, 1527..1604, 1529..1606, 1588..1644, 1738..1815, 1739..1816		

Seq. No.	23753	Seq. ID	OJ991114_37.0128.C19
Gene No.	49415	Strand	-
Start	1	End	1904
Name	OJ991114_37.0128.C19.o1.np	Method	AAT/NAP
Start	1	End	1890
GI	1871187	Score	277
Exons	1..36, 1531..1668, 1759..1890		

GI Descrip. (U90439) unknown protein [Arabidopsis thaliana]

Seq. No.	23753	Seq. ID	OJ991114_37.0128.C19
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Gene No.	49415	Strand	-
Start	1	End	1904
Name	OJ991114_37.0128.C19.o3.tm	Method	TBLASTX:Maize
Start	43	End	243
GI	none	Score	56
Exons	43..111, 51..107, 53..115, 53..127, 118..243, 118..243		

Seq. No.	23753	Seq. ID	OJ991114_37.0128.C19
Gene No.	49415	Strand	-
Start	1	End	1904
Name	OJ991114_37.0128.C19.o1.tm	Method	TBLASTX:Maize
Start	244	End	1309
GI	none	Score	115
Exons	244..348, 245..349, 359..517, 438..515, 515..613, 524..604, 628..849, 659..853, 817..870, 837..896, 838..870, 842..871, 886..1173, 890..1201, 894..1052, 894..1229, 895..1206, 1201..1308, 1206..1307, 1208..1309		

Seq. No.	23753	Seq. ID	OJ991114_37.0128.C19
Gene No.	49415	Strand	-
Start	1	End	1904
Name	OJ991114_37.0128.C19.o1.gs	Method	GENSCAN
Start	324	End	1887
GI	none	Score	.71
Exons	324..518, 882..1484, 1759..1887		

Seq. No.	23753	Seq. ID	OJ991114_37.0128.C19
Gene No.	49415	Strand	-
Start	1	End	1904
Name	OJ991114_37.0128.C19.o2.tm	Method	TBLASTX:Maize
Start	1599	End	1894
GI	none	Score	146
Exons	1599..1670, 1728..1889, 1759..1890, 1759..1890, 1760..1894		

Seq. No.	23753	Seq. ID	OJ991114_37.0128.C19
Gene No.	49415	Strand	-
Start	1	End	1904
Name	OJ991114_37.0128.C19.o1.ts	Method	TBLASTX:Soybean
Start	1756	End	1904
GI	none	Score	124
Exons	1756..1890, 1756..1890, 1758..1904, 1760..1894		

Seq. No.	23754	Seq. ID	OJ991114_37.0128.C20
Gene No.	49416	Strand	+
Start	1	End	532
Name	OJ991114_37.0128.C20.o1.gp	Method	AAT/GAP
Start	1	End	532
GI	17496_1.R1084	Score	678
Exons	1..73, 143..274, 377..532		
GI Descrip.	'3641837/emb CAA18824.1 1.0e-102 (AL023094) Nonclathrin coat protein gamma-like protein [Arabidopsis thaliana]'		

Seq. No.	23754	Seq. ID	OJ991114_37.0128.C20
Gene No.	49416	Strand	+
Start	1	End	532
Name	OJ991114_37.0128.C20.o1.np	Method	AAT/NAP
Start	1	End	532

GI 3641837 Score 373
 Exons 1..73, 143..283, 398..532
 GI Descrip. (AL023094) Nonclathrin coat protein gamma-like protein
 [Arabidopsis thaliana]

Seq. No. 23754 Seq. ID OJ991114_37.0128.C20
 Gene No. 49416 Strand +
 Start 1 End 532
 Name OJ991114_37.0128.C20.o1.tm Method TBLASTX:Maize
 Start 3 End 532
 GI none Score 70
 Exons 3..71, 5..73, 7..78, 8..73, 140..280, 140..274, 141..275,
 251..532, 377..532

Seq. No. 23754 Seq. ID OJ991114_37.0128.C20
 Gene No. 49416 Strand +
 Start 1 End 532
 Name OJ991114_37.0128.C20.o1.tw Method TBLASTX:Wheat
 Start 4 End 266
 GI none Score 104
 Exons 4..78, 5..73, 7..78, 140..265, 141..266, 146..265

Seq. No. 23754 Seq. ID OJ991114_37.0128.C20
 Gene No. 49416 Strand +
 Start 1 End 532
 Name OJ991114_37.0128.C20.o1.tc Method TBLASTX:Cress
 Start 11 End 532
 GI none Score 83
 Exons 11..73, 28..78, 135..266, 140..280, 142..285, 367..531,
 377..532, 404..532, 416..532, 418..531

Seq. No. 23754 Seq. ID OJ991114_37.0128.C20
 Gene No. 49416 Strand +
 Start 1 End 532
 Name OJ991114_37.0128.C20.o1.ts Method TBLASTX:Soybean
 Start 11 End 532
 GI none Score 75
 Exons 11..73, 25..78, 134..274, 135..275, 140..277, 142..279,
 367..528, 377..532

Seq. No. 23754 Seq. ID OJ991114_37.0128.C20
 Gene No. 49416 Strand +
 Start 1 End 532
 Name OJ991114_37.0128.C20.o1.gs Method GENSCAN
 Start 143 End 274
 GI none Score .43
 Exons 143..274

Seq. No. 23755 Seq. ID OJ991114_37.0128.C21
 Gene No. 49417 Strand +
 Start 1 End 5224
 Name OJ991114_37.0128.C21.o1.np Method AAT/NAP
 Start 1 End 2280
 GI 4755186 Score 542
 Exons 1..35, 221..582, 1190..1257, 1750..2280
 GI Descrip. (AC007018) unknown protein [Arabidopsis thaliana]

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o1.gp	Method	AAT/GAP
Start	73	End	510
GI	2310059	Score	496
Exons	73..104, 273..510		
GI Descrip.	4755186/gb AAD29053.1 AC007018_1 1.0e-20 (AC007018) unknown protein [Arabidopsis thaliana]		

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o3.tm	Method	TBLASTX:Maize
Start	267	End	483
GI	none	Score	295
Exons	267..476, 271..483		

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o1.gs	Method	GENSCAN
Start	328	End	4801
GI	none	Score	.47
Exons	328..582, 1190..1257, 1750..2206, 3018..3421, 3555..3607, 4182..4329, 4474..4581, 4715..4801		

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o1.tm	Method	TBLASTX:Maize
Start	1744	End	2280
GI	none	Score	300
Exons	1744..1986, 1746..1985, 1749..1994, 1820..2005, 1986..2243, 1987..2280, 1988..2251		

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o2.gp	Method	AAT/GAP
Start	2114	End	2518
GI	3761322	Score	737
Exons	2114..2518		

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o2.np	Method	AAT/NAP
Start	3150	End	5220
GI	6382012	Score	229
Exons	3150..3421, 4129..4338, 4474..4581, 5153..5220		
GI Descrip.	(AB032960) KIAA1134 protein [Homo sapiens]		

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o3.gp	Method	AAT/GAP

Start	3186	End	4515
GI	LIB3475-012-P1-K1-B10	Score	830
Exons	3186..3421, 3555..3607, 4182..4329, 4474..4515		
GI Descrip.	'4768831/gb AAD29633.1 AF116827_1 1.0e-10 (AF116827) unknown [Homo sapiens]'		

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o2.tm	Method	TBLASTX:Maize
Start	3200	End	5224
GI	none	Score	341
Exons	3200..3433, 3206..3433, 3552..3608, 3552..3608, 4173..4328, 4180..4332, 4183..4332, 4465..4581, 4466..4579, 4473..4580, 4474..4581, 5150..5224, 5150..5221, 5152..5223		

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o1.ts	Method	TBLASTX:Soybean
Start	3205	End	4332
GI	none	Score	62
Exons	3205..3267, 3212..3406, 3236..3406, 4120..4332, 4156..4332		

Seq. No.	23755	Seq. ID	OJ991114_37.0128.C21
Gene No.	49417	Strand	+
Start	1	End	5224
Name	OJ991114_37.0128.C21.o1.tc	Method	TBLASTX:Cress
Start	3217	End	4272
GI	none	Score	210
Exons	3217..3402, 3218..3406, 3224..3418, 4174..4272		

Seq. No.	23756	Seq. ID	OJ991114_33.0128.C1
Gene No.	49418	Strand	-
Start	239	End	626
Name	OJ991114_33.0128.C1.o1.gp	Method	AAT/GAP
Start	239	End	626
GI	LIB3477-003-P1-K1-E9	Score	146
Exons	239..311, 600..626		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23757	Seq. ID	OJ991114_33.0128.C2
Gene No.	49419	Strand	-
Start	1	End	5476
Name	OJ991114_33.0128.C2.o1.gp	Method	AAT/GAP
Start	1	End	481
GI	none	Score	890
Exons	1..481		

Seq. No.	23757	Seq. ID	OJ991114_33.0128.C2
Gene No.	49419	Strand	-
Start	1	End	5476
Name	OJ991114_33.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	184	End	1109
GI	none	Score	157

Exons 184..369, 186..407, 275..457, 380..457, 1000..1104, 1001..1108, 1001..1108, 1002..1109

Seq. No.	23757	Seq. ID	OJ991114_33.0128.C2
Gene No.	49419	Strand	-
Start	1	End	5476
Name	OJ991114_33.0128.C2.o1.gs	Method	GENSCAN
Start	202	End	5476
GI	none	Score	.53
Exons	202..461, 825..851, 1003..1107, 1844..1927, 2570..2654, 3374..3503, 3701..3891, 4784..5087, 5179..5476		

Seq. No.	23757	Seq. ID	OJ991114_33.0128.C2
Gene No.	49419	Strand	-
Start	1	End	5476
Name	OJ991114_33.0128.C2.o2.tm	Method	TBLASTX:Maize
Start	1883	End	2863
GI	none	Score	59
Exons	1883..1936, 1884..1931, 2569..2652, 2570..2656, 2570..2653, 2607..2657, 2738..2845, 2741..2863, 2749..2847		

Seq. No.	23758	Seq. ID	OJ991114_33.0128.C3
Gene No.	49420	Strand	+
Start	304	End	746
Name	OJ991114_33.0128.C3.o1.gp	Method	AAT/GAP
Start	304	End	746
GI	none	Score	807
Exons	304..746		

Seq. No.	23758	Seq. ID	OJ991114_33.0128.C3
Gene No.	49421	Strand	+
Start	2911	End	4968
Name	OJ991114_33.0128.C3.o2.gp	Method	AAT/GAP
Start	2911	End	4968
GI	uC-osflcyp143h03b1	Score	870
Exons	2911..2963, 3026..3355, 4893..4968		
GI Descrip.	'3386598 3.0e-38 (AC004665) putative cytochrome p450 [Arabidopsis thaliana]'		

Seq. No.	23758	Seq. ID	OJ991114_33.0128.C3
Gene No.	49422	Strand	+
Start	9222	End	18156
Name	OJ991114_33.0128.C3.o3.gs	Method	GENSCAN
Start	9222	End	13698
GI	none	Score	.46
Exons	9222..9544, 9546..9693, 11657..11935, 12400..12462, 12669..12751, 13492..13552, 13582..13698		

Seq. No.	23758	Seq. ID	OJ991114_33.0128.C3
Gene No.	49422	Strand	+
Start	9222	End	18156
Name	OJ991114_33.0128.C3.o1.np	Method	AAT/NAP
Start	12357	End	18156
GI	5091513	Score	2499
Exons	12357..12403, 14348..15591, 16424..17428, 18086..18156		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23758	Seq. ID	OJ991114_33.0128.C3
Gene No.	49422	Strand	+
Start	9222	End	18156
Name	OJ991114_33.0128.C3.o3.gp	Method	AAT/GAP
Start	13214	End	13461
GI	3761181	Score	438
Exons	13214..13461		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	23758	Seq. ID	OJ991114_33.0128.C3
Gene No.	49422	Strand	+
Start	9222	End	18156
Name	OJ991114_33.0128.C3.o4.gs	Method	GENSCAN
Start	14487	End	17590
GI	none	Score	.52
Exons	14487..15614, 16333..17280, 17327..17590		

Seq. No.	23758	Seq. ID	OJ991114_33.0128.C3
Gene No.	49423	Strand	-
Start	647	End	781
Name	OJ991114_33.0128.C3.o1.gs	Method	GENSCAN
Start	647	End	781
GI	none	Score	.84
Exons	647..781		

Seq. No.	23758	Seq. ID	OJ991114_33.0128.C3
Gene No.	49424	Strand	-
Start	5984	End	6712
Name	OJ991114_33.0128.C3.o2.gs	Method	GENSCAN
Start	5984	End	6712
GI	none	Score	.52
Exons	5984..6030, 6113..6323, 6328..6511, 6606..6712		

Seq. No.	23759	Seq. ID	OJ991114_33.0128.C4
Gene No.	49425	Strand	-
Start	928	End	1893
Name	OJ991114_33.0128.C4.o1.gs	Method	GENSCAN
Start	928	End	1893
GI	none	Score	.65
Exons	928..1089, 1369..1441, 1838..1893		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49426	Strand	+
Start	285	End	496
Name	OJ991114_33.0128.C5.o1.gs	Method	GENSCAN
Start	285	End	496
GI	none	Score	.95
Exons	285..496		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49427	Strand	+
Start	3859	End	8045
Name	OJ991114_33.0128.C5.o1.np	Method	AAT/NAP
Start	3859	End	6814
GI	1364059	Score	485
Exons	3859..3942, 4807..5229, 5847..6017, 6569..6622, 6725..6814		

GI Descrip. dioscorin class A precursor - Dioscorea cayenensis
gi|433463|emb|CAA53781| (X76187) storage protein [Dioscorea
cayenensis]

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49427	Strand	+
Start	3859	End	8045
Name	OJ991114_33.0128.C5.o1.gp	Method	AAT/GAP
Start	4222	End	4325
GI	LIB3477-003-P1-K1-E9	Score	140
Exons	4222..4325		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49427	Strand	+
Start	3859	End	8045
Name	OJ991114_33.0128.C5.o2.gs	Method	GENSCAN
Start	4711	End	8045
GI	none	Score	.95
Exons	4711..5229, 5847..6017, 6569..6622, 7748..7796, 8002..8045		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49428	Strand	+
Start	13653	End	19299
Name	OJ991114_33.0128.C5.o2.np	Method	AAT/NAP
Start	13653	End	19299
GI	6498441	Score	6743
Exons	13653..14716, 15047..15510, 15574..15947, 16131..16265, 16440..16866, 17059..17355, 17527..18924, 19018..19299		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	4780	End	5226
GI	none	Score	244
Exons	4780..4914, 4788..5168, 4807..5226, 4854..5225		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	4792	End	6020
GI	none	Score	103
Exons	4792..4917, 4851..4919, 4972..5232, 5001..5204, 5894..6019, 5895..6020		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	4804	End	5120

GI	none	Score	135
Exons	4804..4917, 4854..5066, 4972..5118, 5088..5120		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o7.tw	Method	TBLASTX:Wheat
Start	8863	End	19290
GI	none	Score	265
Exons	8863..8949, 18688..18972, 18693..18971, 19164..19286, 19165..19290		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o6.tw	Method	TBLASTX:Wheat
Start	13801	End	14193
GI	none	Score	58
Exons	13801..13848, 13855..13953, 13872..13952, 13920..14159, 13936..14193		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o5.tm	Method	TBLASTX:Maize
Start	13806	End	14091
GI	none	Score	193
Exons	13806..14090, 13843..14091		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o3.tw	Method	TBLASTX:Wheat
Start	14931	End	15417
GI	none	Score	413
Exons	14931..15104, 14932..15417, 15126..15413		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	15581	End	16044
GI	none	Score	200
Exons	15581..16024, 15582..16043, 15583..16044		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o4.ts	Method	TBLASTX:Soybean
Start	15622	End	15987
GI	none	Score	109
Exons	15622..15846, 15853..15987		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o2.tm	Method	TBLASTX:Maize

Start	15712	End	16068
GI	none	Score	392
Exons	15712..16068, 15747..16058, 15835..16068		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o4.tm	Method	TBLASTX:Maize
Start	16095	End	16479
GI	none	Score	360
Exons	16095..16460, 16096..16479		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o2.tw	Method	TBLASTX:Wheat
Start	16153	End	16577
GI	none	Score	479
Exons	16153..16572, 16158..16577		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	16231	End	16602
GI	none	Score	279
Exons	16231..16602, 16248..16391		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o5.tw	Method	TBLASTX:Wheat
Start	17203	End	17661
GI	none	Score	229
Exons	17203..17451, 17227..17451, 17295..17465, 17521..17661, 17521..17658, 17523..17660		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o3.ts	Method	TBLASTX:Soybean
Start	17350	End	17916
GI	5666795	Score	68
Exons	17350..17448, 17524..17661, 17716..17916		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o8.tw	Method	TBLASTX:Wheat
Start	17664	End	17976
GI	none	Score	190
Exons	17664..17975, 17716..17976		

Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116

Name	OJ991114_33.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	18169	End	18492
GI	none	Score	361
Exons	18169..18492, 18186..18479		
Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o4.tw	Method	TBLASTX:Wheat
Start	18306	End	18687
GI	none	Score	375
Exons	18306..18362, 18307..18687, 18408..18656		
Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o6.tm	Method	TBLASTX:Maize
Start	19159	End	19323
GI	none	Score	188
Exons	19159..19323, 19164..19298		
Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o4.gs	Method	GENSCAN
Start	19935	End	23116
GI	none	Score	.8
Exons	19935..21509, 21609..21762, 21855..23116		
Seq. No.	23760	Seq. ID	OJ991114_33.0128.C5
Gene No.	49429	Strand	-
Start	19935	End	23116
Name	OJ991114_33.0128.C5.o3.np	Method	AAT/NAP
Start	19938	End	23116
GI	5803259	Score	4113
Exons	19938..21762, 21855..23116		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	23761	Seq. ID	OJ991114_33.0128.C6
Gene No.	49430	Strand	+
Start	11	End	11160
Name	OJ991114_33.0128.C6.o1.np	Method	AAT/NAP
Start	11	End	9297
GI	5042454	Score	62
Exons	11..174, 679..810, 7921..8138, 9033..9297		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	23761	Seq. ID	OJ991114_33.0128.C6
Gene No.	49430	Strand	+
Start	11	End	11160
Name	OJ991114_33.0128.C6.o1.gs	Method	GENSCAN
Start	163	End	5338
GI	none	Score	.49
Exons	163..234, 564..734, 1091..1116, 2374..2442, 3461..3579, 3799..3945, 5247..5338		
Seq. No.	23761	Seq. ID	OJ991114_33.0128.C6

Gene No. 49430 Strand +
 Start 11 End 11160
 Name OJ991114_33.0128.C6.o2.np Method AAT/NAP
 Start 9023 End 11160
 GI 1364059 Score 466
 Exons 9023..9541, 9960..10130, 10677..10730, 11071..11160
 GI Descrip. dioscorin class A precursor - Dioscorea cayenensis
 gi|433463|emb|CAA53781| (X76187) storage protein [Dioscorea
 cayenensis]

Seq. No. 23761 Seq. ID OJ991114_33.0128.C6
 Gene No. 49430 Strand +
 Start 11 End 11160
 Name OJ991114_33.0128.C6.o3.gs Method GENSCAN
 Start 9023 End 11157
 GI none Score .97
 Exons 9023..9541, 9960..10130, 10677..10730, 11071..11157

Seq. No. 23761 Seq. ID OJ991114_33.0128.C6
 Gene No. 49431 Strand -
 Start 5237 End 5409
 Name OJ991114_33.0128.C6.o1.gp Method AAT/GAP
 Start 5237 End 5409
 GI 10431_1.R1084 Score 312
 Exons 5237..5409
 GI Descrip. '1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA,
 complete sequence'

Seq. No. 23761 Seq. ID OJ991114_33.0128.C6
 Gene No. 49432 Strand -
 Start 7619 End 7741
 Name OJ991114_33.0128.C6.o2.gs Method GENSCAN
 Start 7619 End 7741
 GI none Score .96
 Exons 7619..7741

Seq. No. 23761 Seq. ID OJ991114_33.0128.C6
 Gene No. 49433 Strand -
 Start 12681 End 13076
 Name OJ991114_33.0128.C6.o4.gs Method GENSCAN
 Start 12681 End 13076
 GI none Score .47
 Exons 12681..12735, 13027..13076

Seq. No. 23761 Seq. ID OJ991114_33.0128.C6
 Gene No. 49434 Strand -
 Start 13583 End 13750
 Name OJ991114_33.0128.C6.o2.tm Method TBLASTX:Maize
 Start 4166 End 4952
 GI none Score 58
 Exons 4166..4291, 4172..4294, 4299..4412, 4302..4412, 4303..4407,
 4307..4411, 4436..4561, 4436..4558, 4440..4580, 4446..4565,
 4446..4565, 4447..4599, 4447..4575, 4447..4611, 4462..4641,
 4462..4611, 4468..4563, 4549..4641, 4550..4642, 4603..4695,
 4630..4782, 4642..4782, 4642..4785, 4660..4797, 4660..4797,
 4675..4776, 4683..4784, 4833..4931, 4838..4915, 4839..4952,
 4839..4934, 4839..4916, 4842..4949

Seq. No.	23761	Seq. ID	OJ991114_33.0128.C6
Gene No.	49434	Strand	-
Start	13583	End	13750
Name	OJ991114_33.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	9089	End	9517
GI	none	Score	72
Exons	9089..9223, 9097..9234, 9116..9514, 9163..9513, 9326..9517		
Seq. No.	23761	Seq. ID	OJ991114_33.0128.C6
Gene No.	49434	Strand	-
Start	13583	End	13750
Name	OJ991114_33.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	9101	End	10138
GI	none	Score	103
Exons	9101..9226, 9160..9228, 9281..9514, 9310..9513, 10014..10133, 10070..10138		
Seq. No.	23761	Seq. ID	OJ991114_33.0128.C6
Gene No.	49434	Strand	-
Start	13583	End	13750
Name	OJ991114_33.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	9113	End	9429
GI	none	Score	135
Exons	9113..9226, 9163..9375, 9281..9427, 9397..9429		
Seq. No.	23761	Seq. ID	OJ991114_33.0128.C6
Gene No.	49434	Strand	-
Start	13583	End	13750
Name	OJ991114_33.0128.C6.o2.gp	Method	AAT/GAP
Start	13583	End	13750
GI	LIB3477-003-P1-K1-E9	Score	154
Exons	13583..13652, 13719..13750		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	23762	Seq. ID	OJ991114_33.0128.C7
Gene No.	49435	Strand	-
Start	1	End	335
Name	OJ991114_33.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	335
GI	5091513	Score	458
Exons	1..335		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	23762	Seq. ID	OJ991114_33.0128.C7
Gene No.	49435	Strand	-
Start	1	End	335
Name	OJ991114_33.0128.C7.o1.gs	Method	GENSCAN
Start	38	End	263
GI	none	Score	.91
Exons	38..263		
Seq. No.	23763	Seq. ID	OJ991114_33.0128.C8
Gene No.	49436	Strand	-
Start	30	End	471

Name	OJ991114_33.0128.C8.o1.gs	Method	GENSCAN
Start	30	End	471
GI	none	Score	.67
Exons	30..163, 215..360, 390..471		
Seq. No.	23764	Seq. ID	OJ991114_33.0128.C9
Gene No.	49437	Strand	+
Start	1	End	1015
Name	OJ991114_33.0128.C9.o1.np	Method	AAT/NAP
Start	1	End	1015
GI	5091513	Score	1479
Exons	1..1015		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	23764	Seq. ID	OJ991114_33.0128.C9
Gene No.	49437	Strand	+
Start	1	End	1015
Name	OJ991114_33.0128.C9.o1.gs	Method	GENSCAN
Start	156	End	986
GI	none	Score	.51
Exons	156..986		
Seq. No.	23765	Seq. ID	OJ991114_33.0128.C10
Gene No.	49438	Strand	-
Start	90	End	326
Name	OJ991114_33.0128.C10.o1.gs	Method	GENSCAN
Start	90	End	326
GI	none	Score	.67
Exons	90..326		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49439	Strand	+
Start	4835	End	8260
Name	OJ991114_33.0128.C11.o2.np	Method	AAT/NAP
Start	4835	End	8146
GI	4680203	Score	2052
Exons	4835..6409, 6452..6544, 6698..6928, 7205..8146		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49439	Strand	+
Start	4835	End	8260
Name	OJ991114_33.0128.C11.o1.gp	Method	AAT/GAP
Start	6800	End	8260
GI	5002953	Score	1284
Exons	6800..6931, 7190..7599, 8079..8260		
GI Descrip.	4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49440	Strand	+
Start	8682	End	14932
Name	OJ991114_33.0128.C11.o3.np	Method	AAT/NAP
Start	8682	End	11909
GI	3063699	Score	242
Exons	8682..9281, 11874..11909		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49440	Strand	+
Start	8682	End	14932
Name	OJ991114_33.0128.C11.o4.gs	Method	GENSCAN
Start	11598	End	14816
GI	none	Score	.63
Exons	11598..11727, 11816..12549, 12628..13089, 13171..14003, 14086..14256, 14423..14594, 14700..14816		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49440	Strand	+
Start	8682	End	14932
Name	OJ991114_33.0128.C11.o2.gp	Method	AAT/GAP
Start	14412	End	14932
GI	LIB3431-001-P1-N1-B5	Score	762
Exons	14412..14594, 14700..14932		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49441	Strand	-
Start	1	End	740
Name	OJ991114_33.0128.C11.o1.np	Method	AAT/NAP
Start	1	End	656
GI	2147328	Score	339
Exons	1..656		
GI Descrip.	dioscorin class B - Dioscorea cayenensis (fragment)		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49441	Strand	-
Start	1	End	740
Name	OJ991114_33.0128.C11.o1.gs	Method	GENSCAN
Start	219	End	740
GI	none	Score	.87
Exons	219..740		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	223	End	665
GI	none	Score	200
Exons	223..399, 225..401, 294..410, 435..662, 436..492, 550..648, 558..665		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o3.ts	Method	TBLASTX:Soybean
Start	328	End	662
GI	none	Score	43
Exons	328..396, 330..395, 435..491, 436..477, 546..662, 550..648		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286

Name	OJ991114_33.0128.C11.o3.tw	Method	TBLASTX:Wheat
Start	5189	End	5740
GI	none	Score	216
Exons	5189..5587, 5428..5589, 5635..5730, 5636..5740		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o1.ts	Method	TBLASTX:Soybean
Start	5468	End	5887
GI	none	Score	126
Exons	5468..5587, 5470..5589, 5638..5883, 5639..5887		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o1.tc	Method	TBLASTX:Cress
Start	5635	End	5965
GI	none	Score	312
Exons	5635..5772, 5636..5965, 5809..5868, 5819..5923, 5890..5964		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o2.tw	Method	TBLASTX:Wheat
Start	5753	End	6219
GI	none	Score	54
Exons	5753..5806, 5761..5796, 5807..5911, 5818..5904, 5903..6013, 5912..6028, 5916..6014, 5920..6090, 6031..6219, 6059..6214		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o2.tm	Method	TBLASTX:Maize
Start	5810	End	6253
GI	none	Score	229
Exons	5810..6055, 5860..6051, 6059..6253		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o2.ts	Method	TBLASTX:Soybean
Start	6088	End	6322
GI	none	Score	250
Exons	6088..6243, 6089..6322		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o4.tw	Method	TBLASTX:Wheat
Start	6461	End	6811
GI	none	Score	183
Exons	6461..6691, 6490..6690, 6727..6810, 6728..6811		
Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286

Name	OJ991114_33.0128.C11.o4.tm	Method	TBLASTX:Maize
Start	6467	End	6682
GI	none	Score	166
Exons	6467..6613, 6496..6603, 6620..6682		

Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o3.tm	Method	TBLASTX:Maize
Start	6719	End	7204
GI	none	Score	299
Exons	6719..7204, 6736..6912, 7048..7197		

Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o1.tw	Method	TBLASTX:Wheat
Start	6815	End	8035
GI	none	Score	491
Exons	6815..7357, 6859..7305, 7376..7537, 7393..7533, 7541..7732, 7576..7716, 7721..7768, 7772..7813, 7775..7813, 7843..7914, 7844..7942, 7943..8035		

Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o2.tc	Method	TBLASTX:Cress
Start	7102	End	7528
GI	none	Score	209
Exons	7102..7305, 7106..7357, 7376..7528, 7393..7515		

Seq. No.	23766	Seq. ID	OJ991114_33.0128.C11
Gene No.	49442	Strand	-
Start	8442	End	9286
Name	OJ991114_33.0128.C11.o3.gs	Method	GENSCAN
Start	8442	End	9286
GI	none	Score	.77
Exons	8442..8488, 8532..8574, 8687..9286		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49443	Strand	+
Start	10829	End	15390
Name	OJ991114_33.0128.C12.o2.np	Method	AAT/NAP
Start	10829	End	15390
GI	4680179	Score	7896
Exons	10829..15390		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49444	Strand	-
Start	1254	End	3994
Name	OJ991114_33.0128.C12.o1.np	Method	AAT/NAP
Start	1254	End	3994
GI	6815062	Score	2487
Exons	1254..1299, 2569..3994		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudra like protein (AC004561) [Oryza		

sativa]

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49444	Strand	-
Start	1254	End	3994
Name	OJ991114_33.0128.C12.o3.tm	Method	TBLASTX:Maize
Start	3411	End	3953
GI	none	Score	39
Exons	3411..3776, 3431..3454, 3487..3777, 3795..3899, 3795..3908, 3908..3949, 3912..3953		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49445	Strand	
Start	11096	End	11668
Name	OJ991114_33.0128.C12.o7.tw	Method	TBLASTX:Wheat
Start	11096	End	11455
GI	none	Score	308
Exons	11096..11455, 11122..11196, 11221..11454		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49445	Strand	
Start	11096	End	11668
Name	OJ991114_33.0128.C12.o7.tm	Method	TBLASTX:Maize
Start	11336	End	11668
GI	none	Score	213
Exons	11336..11668, 11336..11620, 11353..11523		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49446	Strand	
Start	11975	End	12391
Name	OJ991114_33.0128.C12.o8.tw	Method	TBLASTX:Wheat
Start	11975	End	12391
GI	none	Score	151
Exons	11975..12169, 12010..12123, 12209..12391, 12235..12390		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49447	Strand	
Start	12554	End	13423
Name	OJ991114_33.0128.C12.o4.tw	Method	TBLASTX:Wheat
Start	12554	End	13036
GI	none	Score	550
Exons	12554..13036, 12658..12993, 12683..13027		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49447	Strand	
Start	12554	End	13423
Name	OJ991114_33.0128.C12.o6.tm	Method	TBLASTX:Maize
Start	12566	End	12855
GI	none	Score	322
Exons	12566..12853, 12664..12855		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49447	Strand	
Start	12554	End	13423
Name	OJ991114_33.0128.C12.o4.ts	Method	TBLASTX:Soybean
Start	12590	End	12904
GI	none	Score	183

Exons 12590..12904

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49447	Strand	
Start	12554	End	13423
Name	OJ991114_33.0128.C12.o4.tm	Method	TBLASTX:Maize
Start	12923	End	13423
GI	none	Score	161
Exons	12923..13102, 13088..13423, 13174..13305, 13330..13380		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49447	Strand	
Start	12554	End	13423
Name	OJ991114_33.0128.C12.o1.ts	Method	TBLASTX:Soybean
Start	12977	End	13372
GI	none	Score	57
Exons	12977..13009, 12977..13021, 13013..13372, 13013..13156, 13117..13371		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49447	Strand	
Start	12554	End	13423
Name	OJ991114_33.0128.C12.o5.tw	Method	TBLASTX:Wheat
Start	13085	End	13387
GI	none	Score	402
Exons	13085..13387, 13085..13378, 13117..13386		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49448	Strand	
Start	13388	End	13897
Name	OJ991114_33.0128.C12.o2.tw	Method	TBLASTX:Wheat
Start	13388	End	13897
GI	none	Score	630
Exons	13388..13897, 13420..13731, 13466..13813		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49448	Strand	
Start	13388	End	13897
Name	OJ991114_33.0128.C12.o3.ts	Method	TBLASTX:Soybean
Start	13394	End	13639
GI	none	Score	202
Exons	13394..13639		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49448	Strand	
Start	13388	End	13897
Name	OJ991114_33.0128.C12.o2.tm	Method	TBLASTX:Maize
Start	13460	End	13825
GI	none	Score	488
Exons	13460..13813, 13462..13728, 13514..13825		

Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49449	Strand	
Start	13900	End	15400
Name	OJ991114_33.0128.C12.o3.tw	Method	TBLASTX:Wheat
Start	13900	End	14380
GI	none	Score	591

Exons	13900..14073, 13901..14380, 13916..14347, 14125..14379		
Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49449	Strand	
Start	13900	End	15400
Name	OJ991114_33.0128.C12.o1.tc	Method	TBLASTX:Cress
Start	14087	End	14404
GI	none	Score	89
Exons	14087..14260, 14261..14404, 14263..14403		
Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49449	Strand	
Start	13900	End	15400
Name	OJ991114_33.0128.C12.o2.ts	Method	TBLASTX:Soybean
Start	14168	End	14428
GI	none	Score	299
Exons	14168..14428, 14173..14427		
Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49449	Strand	
Start	13900	End	15400
Name	OJ991114_33.0128.C12.o5.tm	Method	TBLASTX:Maize
Start	14227	End	14518
GI	none	Score	383
Exons	14227..14514, 14228..14518		
Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49449	Strand	
Start	13900	End	15400
Name	OJ991114_33.0128.C12.o1.tw	Method	TBLASTX:Wheat
Start	14387	End	15012
GI	none	Score	555
Exons	14387..14851, 14389..14859, 14824..15012, 14889..15011		
Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49449	Strand	
Start	13900	End	15400
Name	OJ991114_33.0128.C12.o1.tm	Method	TBLASTX:Maize
Start	14567	End	15165
GI	none	Score	226
Exons	14567..14728, 14575..14721, 14726..14851, 14728..14856, 14860..15165, 14883..15152		
Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49449	Strand	
Start	13900	End	15400
Name	OJ991114_33.0128.C12.o6.tw	Method	TBLASTX:Wheat
Start	15012	End	15380
GI	none	Score	374
Exons	15012..15065, 15013..15345, 15040..15120, 15105..15221, 15163..15324, 15327..15380		
Seq. No.	23767	Seq. ID	OJ991114_33.0128.C12
Gene No.	49449	Strand	
Start	13900	End	15400
Name	OJ991114_33.0128.C12.o8.tm	Method	TBLASTX:Maize
Start	15169	End	15400

GI	none	Score	197
Exons	15169..15366, 15365..15400		
Seq. No.	23768	Seq. ID	OJ991114_33.0128.C13
Gene No.	49450	Strand	+
Start	1	End	835
Name	OJ991114_33.0128.C13.o1.np	Method	AAT/NAP
Start	1	End	835
GI	5042454	Score	303
Exons	1..118, 459..611, 748..835		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	23768	Seq. ID	OJ991114_33.0128.C13
Gene No.	49450	Strand	+
Start	1	End	835
Name	OJ991114_33.0128.C13.o1.gs	Method	GENSCAN
Start	72	End	533
GI	none	Score	.49
Exons	72..118, 352..533		

Seq. No.	23769	Seq. ID	OJ991114_33.0128.C14
Gene No.	49451	Strand	+
Start	261	End	656
Name	OJ991114_33.0128.C14.o2.np	Method	AAT/NAP
Start	261	End	656
GI	6907089	Score	567
Exons	261..656		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	23769	Seq. ID	OJ991114_33.0128.C14
Gene No.	49451	Strand	+
Start	261	End	656
Name	OJ991114_33.0128.C14.o1.gs	Method	GENSCAN
Start	273	End	539
GI	none	Score	.78
Exons	273..317, 336..539		

Seq. No.	23769	Seq. ID	OJ991114_33.0128.C14
Gene No.	49452	Strand	-
Start	1	End	656
Name	OJ991114_33.0128.C14.o1.np	Method	AAT/NAP
Start	1	End	656
GI	5724773	Score	81
Exons	1..193, 573..656		
GI Descrip.	(AF160183) contains similarity to Antirrhinum majus hypothetical protein TNP2 (GB:X57297); may be a pseudogene [Arabidopsis thaliana]		

Seq. No.	23770	Seq. ID	OJ991114_33.0128.C15
Gene No.	49453	Strand	+
Start	1	End	356
Name	OJ991114_33.0128.C15.o1.np	Method	AAT/NAP
Start	1	End	356
GI	5091513	Score	587
Exons	1..356		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49454	Strand	+
Start	817	End	6496
Name	OJ991214_12.0114.C1.o1.gs	Method	GENSCAN
Start	817	End	4483
GI	none	Score	.68
Exons	817..879, 1382..1418, 1511..1656, 1733..1853, 2605..2745, 3114..3386, 3656..3768, 3887..4036, 4130..4483		
Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49454	Strand	+
Start	817	End	6496
Name	OJ991214_12.0114.C1.o1.np	Method	AAT/NAP
Start	1152	End	6496
GI	6041820	Score	733
Exons	1152..1241, 1673..1853, 2605..2745, 3114..3386, 3656..3768, 3887..4036, 4145..4435, 6443..6496		
GI Descrip.	(AC009918) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49454	Strand	+
Start	817	End	6496
Name	OJ991214_12.0114.C1.o1.gp	Method	AAT/GAP
Start	1385	End	1845
GI	2428208	Score	866
Exons	1385..1845		
GI Descrip.	6041820/gb AAF02135.1 AC009918_7 1.0e-13 (AC009918) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49455	Strand	+
Start	13335	End	13412
Name	OJ991214_12.0114.C1.o3.np	Method	AAT/NAP
Start	13335	End	13412
GI	6630699	Score	74
Exons	13335..13412		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49456	Strand	+
Start	13548	End	16187
Name	OJ991214_12.0114.C1.o4.np	Method	AAT/NAP
Start	13548	End	16187
GI	6539570	Score	165
Exons	13548..13741, 13898..13964, 15993..16082, 16153..16187		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49457	Strand	+
Start	17094	End	17843
Name	OJ991214_12.0114.C1.o3.gp	Method	AAT/GAP
Start	16976	End	17636
GI	28866_1.R1084	Score	1095
Exons	16976..17303, 17391..17636		
GI Descrip.	'4886280/emb CAB43430.1 1.0e-26 (AL050300) putative protein		

[Arabidopsis thaliana]'

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49457	Strand	+
Start	17094	End	17843
Name	OJ991214_12.0114.C1.o4.gs	Method	GENSCAN
Start	17094	End	17843
GI	none	Score	.94
Exons	17094..17303, 17391..17843		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49457	Strand	+
Start	17094	End	17843
Name	OJ991214_12.0114.C1.o5.np	Method	AAT/NAP
Start	17097	End	17804
GI	6041819	Score	320
Exons	17097..17312, 17391..17804		
GI Descrip.	(AC009918) unknown protein [Arabidopsis thaliana]		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49458	Strand	-
Start	6630	End	11785
Name	OJ991214_12.0114.C1.o2.gs	Method	GENSCAN
Start	6630	End	11785
GI	none	Score	.56
Exons	6630..7161, 7261..7610, 7680..7946, 8044..8525, 8610..8697, 9240..9272, 9809..10500, 10608..10758, 11051..11093, 11652..11785		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49458	Strand	-
Start	6630	End	11785
Name	OJ991214_12.0114.C1.o2.np	Method	AAT/NAP
Start	6633	End	10530
GI	5354158	Score	2233
Exons	6633..7161, 7261..7610, 7680..7946, 8044..8525, 8610..8697, 9240..9272, 9809..10359, 10449..10530		
GI Descrip.	(AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi 5354160 gb AAD42379.1 AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi 6041825 gb AAF02140.1 AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana]		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49459	Strand	-
Start	13326	End	13759
Name	OJ991214_12.0114.C1.o2.gp	Method	AAT/GAP
Start	13326	End	13759
GI	LIB3479-006-Q6-K1-B11	Score	610
Exons	13326..13759		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o5.tm	Method	TBLASTX:Maize

Start	1615	End	1849
GI	none	Score	200
Exons	1615..1797, 1673..1816, 1727..1849		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o3.ts	Method	TBLASTX:Soybean
Start	1691	End	4003
GI	none	Score	137
Exons	1691..1816, 3122..3385, 3136..3327, 3896..4003		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o3.tc	Method	TBLASTX:Cress
Start	3089	End	3397
GI	none	Score	153
Exons	3089..3238, 3112..3234, 3299..3397		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o1.tm	Method	TBLASTX:Maize
Start	6621	End	7715
GI	none	Score	182
Exons	6621..6830, 6628..6837, 6873..7157, 6873..7160, 6874..7161, 6881..7177, 7258..7608, 7258..7590, 7260..7619, 7668..7715		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o1.ts	Method	TBLASTX:Soybean
Start	6630	End	8388
GI	none	Score	185
Exons	6630..6863, 6631..6810, 6867..7145, 6867..7163, 6871..7164, 7240..7611, 7263..7619, 7270..7611, 7400..7612, 7668..7730, 7668..7967, 7669..7947, 7773..7961, 7984..8388, 8044..8376, 8048..8380		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o1.tc	Method	TBLASTX:Cress
Start	7362	End	7812
GI	none	Score	149
Exons	7362..7619, 7363..7599, 7668..7811, 7678..7812		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o2.tm	Method	TBLASTX:Maize
Start	7722	End	8330
GI	none	Score	312
Exons	7722..7967, 7723..7947, 7773..7961, 8041..8328, 8042..8326, 8046..8330		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o4.tm	Method	TBLASTX:Maize
Start	8335	End	8700
GI	none	Score	63
Exons	8335..8457, 8418..8528, 8443..8526, 8607..8699, 8611..8700, 8612..8698, 8620..8700		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o3.tm	Method	TBLASTX:Maize
Start	17094	End	17651
GI	none	Score	334
Exons	17094..17306, 17099..17308, 17387..17650, 17390..17464, 17394..17651		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o2.ts	Method	TBLASTX:Soybean
Start	17100	End	17729
GI	none	Score	80
Exons	17100..17276, 17394..17567, 17483..17542, 17541..17729, 17561..17707		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o2.tc	Method	TBLASTX:Cress
Start	17394	End	17717
GI	none	Score	286
Exons	17394..17717, 17477..17704		

Seq. No.	23771	Seq. ID	OJ991214_12.0114.C1
Gene No.	49460	Strand	-
Start	18022	End	18145
Name	OJ991214_12.0114.C1.o4.gp	Method	AAT/GAP
Start	18022	End	18145
GI	none	Score	236
Exons	18022..18145		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49461	Strand	+
Start	8027	End	8657
Name	OJ991214_12.0114.C2.o2.gs	Method	GENSCAN
Start	8027	End	8657
GI	none	Score	.93
Exons	8027..8167, 8319..8388, 8650..8657		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49462	Strand	+
Start	9698	End	9895
Name	OJ991214_12.0114.C2.o1.gp	Method	AAT/GAP
Start	9698	End	9895
GI	none	Score	346

Exons 9698..9895

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49463	Strand	-
Start	2335	End	5494
Name	OJ991214_12.0114.C2.o1.gs	Method	GENSCAN
Start	2335	End	5494
GI	none	Score	.71
Exons	2335..3447, 3531..3774, 4218..5494		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49463	Strand	-
Start	2335	End	5494
Name	OJ991214_12.0114.C2.o1.np	Method	AAT/NAP
Start	2341	End	5494
GI	4886278	Score	1196
Exons	2341..2505, 2536..3444, 3519..3597, 4095..4745, 4773..4848, 4924..5494		

GI Descrip. (AL050300) putative protein [Arabidopsis thaliana]

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353
Name	OJ991214_12.0114.C2.o2.tm	Method	TBLASTX:Maize
Start	2533	End	3045
GI	none	Score	104
Exons	2533..2769, 2552..2740, 2888..2983, 2896..3018, 3004..3045		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353
Name	OJ991214_12.0114.C2.o2.ts	Method	TBLASTX:Soybean
Start	2896	End	3144
GI	none	Score	86
Exons	2896..2997, 2897..2992, 3010..3144, 3017..3088		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353
Name	OJ991214_12.0114.C2.o1.ts	Method	TBLASTX:Soybean
Start	4265	End	5497
GI	none	Score	125
Exons	4265..4369, 4997..5179, 4998..5180, 5223..5315, 5258..5314, 5315..5497		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353
Name	OJ991214_12.0114.C2.o1.tm	Method	TBLASTX:Maize
Start	5082	End	5494
GI	none	Score	150
Exons	5082..5183, 5096..5188, 5244..5375, 5258..5353, 5360..5494, 5361..5492		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353

Name	OJ991214_12.0114.C2.o2.tc	Method	TBLASTX:Cress
Start	5253	End	5497
GI	none	Score	66
Exons	5253..5315, 5258..5314, 5315..5497		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353
Name	OJ991214_12.0114.C2.o1.tc	Method	TBLASTX:Cress
Start	9679	End	13093
GI	none	Score	39
Exons	9679..9756, 9783..9947, 9820..9945, 10158..10274, 10192..10275, 11407..11442, 11411..11434, 11442..11501, 11443..11502, 12237..12338, 12241..12348, 12249..12344, 12407..12487, 12411..12485, 12477..12509, 12989..13093, 12990..13064		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353
Name	OJ991214_12.0114.C2.o3.ts	Method	TBLASTX:Soybean
Start	9819	End	13072
GI	none	Score	167
Exons	9819..9947, 9838..9945, 9839..9946, 10158..10274, 10176..10274, 10192..10275, 10192..10275, 11407..11442, 11442..11501, 11443..11502, 12237..12344, 12249..12344, 12250..12348, 12250..12351, 12407..12487, 12411..12485, 12477..12506, 12989..13072, 12990..13064		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353
Name	OJ991214_12.0114.C2.o3.tm	Method	TBLASTX:Maize
Start	9825	End	13093
GI	none	Score	173
Exons	9825..9947, 9826..9945, 9826..9948, 10144..10272, 10154..10273, 10158..10283, 10158..10274, 11407..11445, 11412..11447, 11445..11501, 11446..11502, 12237..12338, 12249..12344, 12250..12348, 12407..12487, 12423..12485, 12477..12506, 12989..13063, 12989..13093, 12990..13091		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353
Name	OJ991214_12.0114.C2.o3.gs	Method	GENSCAN
Start	9828	End	13353
GI	none	Score	.98
Exons	9828..9944, 10158..10271, 12249..12356, 12992..13066, 13300..13353		

Seq. No.	23772	Seq. ID	OJ991214_12.0114.C2
Gene No.	49464	Strand	-
Start	9828	End	13353
Name	OJ991214_12.0114.C2.o2.np	Method	AAT/NAP
Start	9831	End	13353
GI	3328221	Score	778
Exons	9831..9944, 10158..10271, 10413..10448, 11413..11501, 12249..12328, 12424..12506, 12992..13066, 13161..13353		

GI Descrip. (AF076920) thioredoxin peroxidase [Secale cereale]

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49465	Strand	+
Start	383	End	583
Name	OJ991214_12.0114.C3.o1.gs	Method	GENSCAN
Start	383	End	583
GI	none	Score	.84
Exons	383..459, 514..583		

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49466	Strand	+
Start	4954	End	9463
Name	OJ991214_12.0114.C3.o3.gs	Method	GENSCAN
Start	4954	End	9264
GI	none	Score	.82
Exons	4954..5142, 6923..7050, 7260..7349, 7426..7476, 7898..7946, 8070..8135, 8456..8701, 9178..9264		

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49466	Strand	+
Start	4954	End	9463
Name	OJ991214_12.0114.C3.o1.np	Method	AAT/NAP
Start	4957	End	9463
GI	5763821	Score	800
Exons	4957..5179, 6249..6438, 6566..6619, 6782..6867, 6962..7050, 7123..7174, 7297..7349, 7426..7476, 7898..7946, 8070..8135, 8339..8415, 8491..8701, 9178..9244, 9353..9463		

GI Descrip. (AJ238590) E2F protein [Triticum sp.]

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49467	Strand	-
Start	1909	End	4190
Name	OJ991214_12.0114.C3.o2.gs	Method	GENSCAN
Start	1909	End	4190
GI	none	Score	.83
Exons	1909..2141, 2220..2240, 2285..2394, 2798..2871, 3413..3586, 3643..3914, 3926..4190		

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49468	Strand	-
Start	10212	End	11072
Name	OJ991214_12.0114.C3.o2.np	Method	AAT/NAP
Start	10203	End	11072
GI	5306268	Score	415
Exons	10203..10370, 10462..10645, 10718..10782, 10883..11072		

GI Descrip. (AC006233) hypothetical protein [Arabidopsis thaliana]

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49468	Strand	-
Start	10212	End	11072
Name	OJ991214_12.0114.C3.o4.gs	Method	GENSCAN
Start	10212	End	10944
GI	none	Score	1
Exons	10212..10370, 10462..10653, 10732..10944		

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
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Gene No. 49469
 Start 11890
 Name OJ991214_12.0114.C3.o5.gs
 Start 11890
 GI none
 Exons 11890..11918, 12338..12680

Strand -
 End 12680
 Method GENSCAN
 End 12680
 Score .9

Seq. No. 23773
 Gene No. 49469
 Start 11890
 Name OJ991214_12.0114.C3.o3.np
 Start 12324
 GI 4895197
 Exons 12324..12671
 GI Descrip. (AC007661) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ991214_12.0114.C3
 Strand -
 End 12680
 Method AAT/NAP
 End 12671
 Score 199

Seq. No. 23773
 Gene No. 49470
 Start 15740
 Name OJ991214_12.0114.C3.o6.gs
 Start 15740
 GI none
 Exons 15740..15756, 16047..16380

Seq. ID OJ991214_12.0114.C3
 Strand -
 End 16380
 Method GENSCAN
 End 16380
 Score .94

Seq. No. 23773
 Gene No. 49470
 Start 15740
 Name OJ991214_12.0114.C3.o4.np
 Start 16033
 GI 4895197
 Exons 16033..16377
 GI Descrip. (AC007661) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ991214_12.0114.C3
 Strand -
 End 16380
 Method AAT/NAP
 End 16377
 Score 242

Seq. No. 23773
 Gene No. 49471
 Start 17351
 Name OJ991214_12.0114.C3.o2.tm
 Start 10290
 GI none
 Exons 10290..10379, 10291..10371, 10459..10593, 10460..10591, 10639..10671, 10711..10812, 10730..10858

Seq. ID OJ991214_12.0114.C3
 Strand -
 End 17457
 Method TBLASTX:Maize
 End 10858
 Score 75

Seq. No. 23773
 Gene No. 49471
 Start 17351
 Name OJ991214_12.0114.C3.o2.tc
 Start 10459
 GI none
 Exons 10459..10593, 10460..10591, 10729..10782

Seq. ID OJ991214_12.0114.C3
 Strand -
 End 17457
 Method TBLASTX:Cress
 End 10782
 Score 122

Seq. No. 23773
 Gene No. 49471
 Start 17351
 Name OJ991214_12.0114.C3.o1.tw
 Start 12298
 GI none
 Exons 12298..12468, 12307..12468, 12339..12470, 12456..12599,

Seq. ID OJ991214_12.0114.C3
 Strand -
 End 17457
 Method TBLASTX:Wheat
 End 16314
 Score 148

12457..12600, 16048..16245, 16049..16177, 16141..16179,
16180..16314, 16184..16285

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49471	Strand	-
Start	17351	End	17457
Name	OJ991214_12.0114.C3.o1.tc	Method	TBLASTX:Cress
Start	12307	End	16314
GI	none	Score	135
Exons	12307..12459, 12339..12470, 12499..12600, 12528..12599, 16048..16179, 16049..16174, 16195..16314, 16202..16285		

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49471	Strand	-
Start	17351	End	17457
Name	OJ991214_12.0114.C3.o1.tm	Method	TBLASTX:Maize
Start	12337	End	16311
GI	none	Score	81
Exons	12337..12468, 12339..12410, 12339..12470, 12340..12459, 12463..12600, 12525..12599, 16048..16311, 16049..16291		

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49471	Strand	-
Start	17351	End	17457
Name	OJ991214_12.0114.C3.o1.ts	Method	TBLASTX:Soybean
Start	12339	End	16314
GI	none	Score	135
Exons	12339..12461, 12340..12456, 16048..16179, 16049..16174, 16180..16293, 16294..16314		

Seq. No.	23773	Seq. ID	OJ991214_12.0114.C3
Gene No.	49471	Strand	-
Start	17351	End	17457
Name	OJ991214_12.0114.C3.o7.gs	Method	GENSCAN
Start	17351	End	17457
GI	none	Score	.96
Exons	17351..17457		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49472	Strand	+
Start	44318	End	45026
Name	OJ991214_12.0114.C4.o1.gp	Method	AAT/GAP
Start	44318	End	45026
GI	none	Score	1363
Exons	44318..45026		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49473	Strand	+
Start	47964	End	48112
Name	OJ991214_12.0114.C4.o2.gp	Method	AAT/GAP
Start	47964	End	48112
GI	uC-osflcyp104cl2a1	Score	198
Exons	47964..48112		
GI Descrip.	'5852170/emb AL117265.1 OST17804 3.0e-29 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
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Gene No.	49474	Strand	+
Start	54244	End	55209
Name	OJ991214_12.0114.C4.o3.gp	Method	AAT/GAP
Start	54244	End	54558
GI	95327_1.R1084	Score	565
Exons	54244..54558		
GI Descrip.	'1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8'		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49474	Strand	+
Start	54244	End	55209
Name	OJ991214_12.0114.C4.o3.np	Method	AAT/NAP
Start	54265	End	55209
GI	4678221	Score	389
Exons	54265..55209		
GI Descrip.	(AC007135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49475	Strand	-
Start	256	End	3894
Name	OJ991214_12.0114.C4.o1.gs	Method	GENSCAN
Start	256	End	3894
GI	none	Score	.4
Exons	256..536, 2920..2939, 3423..3539, 3620..3894		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49476	Strand	-
Start	11019	End	18354
Name	OJ991214_12.0114.C4.o3.gs	Method	GENSCAN
Start	11019	End	18354
GI	none	Score	.68
Exons	11019..11829, 11895..12010, 12115..12136, 12546..12705, 13219..13471, 13777..13983, 14255..14318, 14406..14462, 14805..14903, 15040..15072, 18230..18354		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49477	Strand	-
Start	21026	End	22148
Name	OJ991214_12.0114.C4.o4.gs	Method	GENSCAN
Start	21026	End	22148
GI	none	Score	.99
Exons	21026..21472, 21549..22148		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49478	Strand	-
Start	40254	End	41891
Name	OJ991214_12.0114.C4.o2.np	Method	AAT/NAP
Start	38876	End	41444
GI	4263522	Score	740
Exons	38876..38917, 40274..41444		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
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Gene No. 49478
 Start 40254
 Name OJ991214_12.0114.C4.o7.gs
 Start 40254
 GI none
 Exons 40254..41891

Strand -
 End 41891
 Method GENSCAN
 End 41891
 Score 1

Seq. No. 23774
 Gene No. 49479
 Start 44450
 Name OJ991214_12.0114.C4.o8.gs
 Start 44450
 GI none
 Exons 44450..44546, 44663..44842, 44951..45035, 45123..45189

Seq. ID OJ991214_12.0114.C4
 Strand -
 End 45189
 Method GENSCAN
 End 45189
 Score .98

Seq. No. 23774
 Gene No. 49480
 Start 47713
 Name OJ991214_12.0114.C4.o10.gs
 Start 47713
 GI none
 Exons 47713..47843, 49116..49338, 49541..49619, 49872..50065

Seq. ID OJ991214_12.0114.C4
 Strand -
 End 50065
 Method GENSCAN
 End 50065
 Score .56

Seq. No. 23774
 Gene No. 49481
 Start 56415
 Name OJ991214_12.0114.C4.o3.ts
 Start 32160
 GI none
 Exons 32160..32288, 32166..32387, 32167..32292, 32314..32382, 32391..32435

Seq. ID OJ991214_12.0114.C4
 Strand -
 End 57133
 Method TBLASTX:Soybean
 End 32435
 Score 104

Seq. No. 23774
 Gene No. 49481
 Start 56415
 Name OJ991214_12.0114.C4.o3.tm
 Start 32202
 GI none
 Exons 32202..32222, 32216..32293, 32217..32294, 32217..32372, 32221..32367

Seq. ID OJ991214_12.0114.C4
 Strand -
 End 57133
 Method TBLASTX:Maize
 End 32372
 Score 96

Seq. No. 23774
 Gene No. 49481
 Start 56415
 Name OJ991214_12.0114.C4.o3.tc
 Start 40263
 GI none
 Exons 40263..40589, 40264..40569

Seq. ID OJ991214_12.0114.C4
 Strand -
 End 57133
 Method TBLASTX:Cress
 End 40589
 Score 119

Seq. No. 23774
 Gene No. 49481
 Start 56415
 Name OJ991214_12.0114.C4.o2.tm
 Start 40275
 GI none
 Exons 40275..40871, 40276..40872, 40662..40883, 40671..40871, 40705..40863, 40935..41018, 40953..41186, 41013..41180,

Seq. ID OJ991214_12.0114.C4
 Strand -
 End 57133
 Method TBLASTX:Maize
 End 41624
 Score 194

41112..41276, 41163..41279, 41208..41291, 41208..41366,
41301..41552, 41310..41624

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49481	Strand	-
Start	56415	End	57133
Name	OJ991214_12.0114.C4.o2.ts	Method	TBLASTX:Soybean
Start	40275	End	40694
GI	none	Score	109
Exons	40275..40694, 40276..40542, 40290..40664		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49481	Strand	-
Start	56415	End	57133
Name	OJ991214_12.0114.C4.o1.tw	Method	TBLASTX:Wheat
Start	40569	End	41633
GI	none	Score	71
Exons	40569..40682, 40572..40871, 40603..40857, 40716..40871, 40917..41045, 40962..41183, 41286..41633		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49481	Strand	-
Start	56415	End	57133
Name	OJ991214_12.0114.C4.o2.tc	Method	TBLASTX:Cress
Start	40590	End	41669
GI	none	Score	60
Exons	40590..40703, 40716..40871, 40920..41093, 40920..41291, 40947..41021, 41013..41183, 41031..41153, 41080..41274, 41100..41363, 41109..41273, 41192..41233, 41202..41369, 41208..41645, 41268..41669		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49481	Strand	-
Start	56415	End	57133
Name	OJ991214_12.0114.C4.o1.ts	Method	TBLASTX:Soybean
Start	44403	End	45015
GI	none	Score	119
Exons	44403..44546, 44459..44548, 44459..44545, 44660..44830, 44662..44841, 44956..45015		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49481	Strand	-
Start	56415	End	57133
Name	OJ991214_12.0114.C4.o1.tm	Method	TBLASTX:Maize
Start	44448	End	45210
GI	none	Score	145
Exons	44448..44546, 44450..44548, 44450..44545, 44662..44841, 44663..44845, 44717..44842, 44945..44968, 44950..45045, 44951..45034, 45124..45210		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49481	Strand	-
Start	56415	End	57133
Name	OJ991214_12.0114.C4.o2.tw	Method	TBLASTX:Wheat
Start	44450	End	44728
GI	none	Score	137
Exons	44450..44545, 44451..44606, 44460..44546, 44662..44727,		

44663..44728

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49481	Strand	-
Start	56415	End	57133
Name	OJ991214_12.0114.C4.o1.tc	Method	TBLASTX:Cress
Start	44459	End	44868
GI	none	Score	111
Exons	44459..44545, 44460..44546, 44660..44830, 44662..44841, 44806..44868		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49481	Strand	-
Start	56415	End	57133
Name	OJ991214_12.0114.C4.o4.gp	Method	AAT/GAP
Start	56180	End	57133
GI	2312823	Score	769
Exons	56180..56231, 56454..56560, 56663..56731, 56815..56877, 56966..57133		

Seq. No.	23774	Seq. ID	OJ991214_12.0114.C4
Gene No.	49481	Strand	-
Start	56415	End	57133
Name	OJ991214_12.0114.C4.o12.gs	Method	GENSCAN
Start	56415	End	57092
GI	none	Score	.89
Exons	56415..56560, 56663..56731, 56966..57092		

Seq. No.	23775	Seq. ID	OJ991214_13.0118.C1
Gene No.	49482	Strand	-
Start	1	End	63
Name	OJ991214_13.0118.C1.o1.gp	Method	AAT/GAP
Start	1	End	63
GI	none	Score	126
Exons	1..63		

Seq. No.	23776	Seq. ID	OJ991214_13.0118.C3
Gene No.	49483	Strand	-
Start	141	End	427
Name	OJ991214_13.0118.C3.o1.np	Method	AAT/NAP
Start	141	End	427
GI	4204295	Score	133
Exons	141..427		
GI Descrip.	(AC003027) lcl prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	23776	Seq. ID	OJ991214_13.0118.C3
Gene No.	49483	Strand	-
Start	141	End	427
Name	OJ991214_13.0118.C3.o1.gs	Method	GENSCAN
Start	152	End	339
GI	none	Score	.77
Exons	152..339		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49484	Strand	+
Start	18459	End	23823

Name OJ991214_13.0118.C4.o4.gs
 Start 18459
 GI none
 Exons 18459..19448

Method GENSCAN
 End 19448
 Score .74

Seq. No. 23777 Seq. ID OJ991214_13.0118.C4
 Gene No. 49484 Strand +
 Start 18459 End 23823
 Name OJ991214_13.0118.C4.o2.np Method AAT/NAP
 Start 18513 End 23823
 GI 6705984 Score 458
 Exons 18513..19370, 23801..23823
 GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. No. 23777 Seq. ID OJ991214_13.0118.C4
 Gene No. 49484 Strand +
 Start 18459 End 23823
 Name OJ991214_13.0118.C4.o3.np Method AAT/NAP
 Start 18955 End 19943
 GI 6498436 Score 312
 Exons 18955..19093, 19443..19510, 19559..19943
 GI Descrip. (AF000815) hypothetical protein [Oryza sativa]

Seq. No. 23777 Seq. ID OJ991214_13.0118.C4
 Gene No. 49485 Strand +
 Start 29500 End 30370
 Name OJ991214_13.0118.C4.o4.np Method AAT/NAP
 Start 29500 End 30370
 GI 2213632 Score 724
 Exons 29500..30370
 GI Descrip. (AC000103) F21J9.24 [Arabidopsis thaliana]

Seq. No. 23777 Seq. ID OJ991214_13.0118.C4
 Gene No. 49486 Strand +
 Start 34679 End 36746
 Name OJ991214_13.0118.C4.o7.gs Method GENSCAN
 Start 34679 End 36746
 GI none Score .71
 Exons 34679..34780, 35373..35505, 36655..36746

Seq. No. 23777 Seq. ID OJ991214_13.0118.C4
 Gene No. 49487 Strand +
 Start 40412 End 43105
 Name OJ991214_13.0118.C4.o9.gs Method GENSCAN
 Start 40412 End 43105
 GI none Score .5
 Exons 40412..40445, 40447..40528, 41558..41657, 42051..42264, 42592..42623, 42902..43105

Seq. No. 23777 Seq. ID OJ991214_13.0118.C4
 Gene No. 49488 Strand +
 Start 44194 End 55774
 Name OJ991214_13.0118.C4.o10.gs Method GENSCAN
 Start 44194 End 49773
 GI none Score .56
 Exons 44194..44361, 45127..45319, 45564..45677, 45754..45863, 46081..46332, 47156..47277, 47487..47618, 47834..48504,

48700..49244, 49343..49433, 49502..49773

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49488	Strand	+
Start	44194	End	55774
Name	OJ991214_13.0118.C4.o7.np	Method	AAT/NAP
Start	47766	End	53314
GI	6705984	Score	1303
Exons	47766..49220, 53294..53314		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49488	Strand	+
Start	44194	End	55774
Name	OJ991214_13.0118.C4.o8.np	Method	AAT/NAP
Start	50740	End	53552
GI	4680204	Score	886
Exons	50740..52151, 52243..53300, 53389..53552		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49488	Strand	+
Start	44194	End	55774
Name	OJ991214_13.0118.C4.o11.gs	Method	GENSCAN
Start	50755	End	55774
GI	none	Score	.53
Exons	50755..52031, 52296..52803, 52882..53071, 53239..53300, 53389..53562, 54032..54142, 54239..54414, 55033..55774		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49489	Strand	-
Start	1995	End	3069
Name	OJ991214_13.0118.C4.o1.gp	Method	AAT/GAP
Start	1722	End	1965
GI	5056026	Score	419
Exons	1722..1965		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49489	Strand	-
Start	1995	End	3069
Name	OJ991214_13.0118.C4.o1.gs	Method	GENSCAN
Start	1995	End	3058
GI	none	Score	.71
Exons	1995..2375, 2414..3058		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49489	Strand	-
Start	1995	End	3069
Name	OJ991214_13.0118.C4.o2.gp	Method	AAT/GAP
Start	2648	End	3069
GI	2428673	Score	779
Exons	2648..3069		

Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49490	Strand	-
Start	3814	End	4403
Name	OJ991214_13.0118.C4.o3.gp	Method	AAT/GAP

Start	3814	End	4403
GI	none	Score	1049
Exons	3814..4403		
Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49491	Strand	-
Start	7239	End	7674
Name	OJ991214_13.0118.C4.o4.gp	Method	AAT/GAP
Start	7239	End	7674
GI	uC-osflcyp120c03b1	Score	784
Exons	7239..7674		
GI Descrip.	'2832644/emb CAA16719 8.0e-18 (AL021710) teosinte branched1 - like protein [Arabidopsis thaliana]'		
Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49492	Strand	-
Start	14651	End	17541
Name	OJ991214_13.0118.C4.o3.gs	Method	GENSCAN
Start	14651	End	17541
GI	none	Score	.42
Exons	14651..14684, 14884..15059, 15680..15788, 16400..16610, 17065..17137, 17362..17541		
Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49493	Strand	-
Start	30800	End	32716
Name	OJ991214_13.0118.C4.o6.gs	Method	GENSCAN
Start	30800	End	32716
GI	none	Score	.77
Exons	30800..32202, 32701..32716		
Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49494	Strand	-
Start	37869	End	40076
Name	OJ991214_13.0118.C4.o8.gs	Method	GENSCAN
Start	37869	End	40076
GI	none	Score	.56
Exons	37869..38155, 38283..38327, 39171..39243, 39960..40076		
Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49495	Strand	-
Start	44132	End	44699
Name	OJ991214_13.0118.C4.o6.gp	Method	AAT/GAP
Start	44132	End	44699
GI	4879016	Score	859
Exons	44132..44699		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	23777	Seq. ID	OJ991214_13.0118.C4
Gene No.	49496	Strand	-
Start	58151	End	62062
Name	OJ991214_13.0118.C4.o9.np	Method	AAT/NAP
Start	58151	End	62062
GI	6539553	Score	6443
Exons	58151..62062		